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PERIODICALS SECTION

Lancaster Farming

VOL. 15 NO. 28 Lancaster Farming, Saturday, June 6, 1970 $2.00 Per Year

Nanette Stauffer

Patricia Bare

Linda Kreider

Susan Kauffman

Charlene Smoker

Lovely Teens Assure Success June 23

Eight Enter Dairy Princess Pageant

The Lancaster County Dairy Princess Committee this week announces the eight contestants for the Lancaster County Dairy Princess Pageant June 23 at the Farm and Home Center

They are Susan Kauffman, Patricia Bare, Lois Gruber, Charlene Smoker, Nanette Stauffer, Linda Kreider, Donna Hess and Marilyn Krantz

The pageant, at which the county's Dairy Princess will be selected, will begin at 6 30 p m June 23 with a reception, followed by dinner at 7 p m

Tickets are available from Victor Plastow at the extension office and from officers of the various dairy breed associations or Dairy Princess Committee members

Mrs Robert Gregory, Lititz RD1, Princess Committee chairman, this week expressed appreciation for the good response She said the contestants are all attractive and of about the same age

She indicated the girls should help assure a successful pageant this year

The Princess Committee has scheduled a briefing session with the girls and their mothers at the Farm and Home Center at 7 30 p m Monday

The girls are all recent graduates of local high schools except three, Marilyn, Susan and Lois who will be seniors this fall

The girls and a brief background sketch of them is as follows

Miss Susan Kauffman, age 16, daughter of Mr and Mrs Robert Kauffman, of Elizabethtown RD1 from the Penn-Spring Holstein Farm lists her activities as the church choir, Lancaster 4-H Club, 4-H Sewing Club, and Elizabethtown High School's Musical Show She will be a senior at Elizabethtown High

Miss Patricia Bare, 17 year-old daughter of Mr and Mrs John Bare, 419 Mt-Sidney Road, Witmer, from a Holstein Dairy Farm is a recent graduate of Conestoga Valley High School A member of the Stumptown Mennonite Church, she participates in the Mennonite Youth Group, the Conestoga Valley 4-H Sewing Club 4-H Junior Leader, and the 4 H County Council

Miss Marilyn B Krantz, 16, who will be a senior at Solanco High School, is the daughter of Mr and Mrs Elvin Krantz of

(Continued on Page 16)

Marilyn Krantz

Donna Hess

Lois Gruber

We Begin Green Dragon Livestock, Hay Markets

Lancaster Farming this week introduces the Green Dragon Livestock and hay market at Ephrata

Larry Loose, auction co owner, said the auction takes all types of livestock but gradually has built up a particularly good dairy animal business Bill Rohrbach is co-owner with Loose

Unfortunately, due to technical difficulties, the Green Dragon market will be one week old That's because the auction is held each Friday, the day we go to press

But interested farmers can catch the market trend from our report and get more recent information by calling the auction

The Green Dragon market has been the only significant Lancaster County market we have not carried — because of the timing We pioneered in bringing up-to-date reports to area farmers on the New Holland and Vintage markets, and have always carried the Lancaster market

The Green Dragon Livestock sales for Friday, May 29, as reported by Walter Risser, livestock manager, are as follows

Attendance fair, prices stronger for good quality animals 140 head

One load fresh Canadian cows $342 50 to $500 each, springers $350 to $625 each

One load of Good bred heifers, $300 to 420 each

One load of Canadian springer cows, $365 to $560 each, with one

(Continued on Page 16)

We Salute Dairying!

Lancaster Farming this week salutes the area's biggest farm business — dairying

Not only does dairying play a vital role in the local economy, it contributes much to our nutrition and eating pleasure, both here and nationwide

Lancaster Farming and the firms whose advertisments appear here salute area dairy farmers and all who play vital roles in the dairy foods industry with this special dairy issue

Dairy Month Is Easy Eating Time

Suppose milk were a seasonal specialty like corn-on the-cob or peaches

Not so long ago, something very like that was actually the case Actually, that's the reason June is Dairy Month, instead of November or February.

Oh, yes, milk was available year 'round but as summer approached, cows under the benevolent influence of balmier air and more plentiful grazing increased their milk production to its yearly peak

Not only was the milk supply more lavish, so were the other dairy fresh foods made from milk including cottage cheese, butter sour cream The Milk Season was deliciously on!

That s why, in 1937, when National Milk Month made its bow,

(Continued on Page 9)

MARKET NEWS REPORT

At Lancaster Yards

Auction Only

June 3, 1970

CATTLE 1123 — Compared to Monday, Slaughter Steers weak to mostly 50 lower, instances 75 lower on high Choice and Prime, Cows 50 75 higher Bulls strong to 50 higher

SLAUGHTER STEERS — High-Choice and Prime 1050 1325 lbs 30 50-31 25 Choice 950 1400 lbs 29 75 31 00, few over 1300 lbs back to 29 50 high-Good and low Choice 28 75 30 00 Good 27 85 29 25 Standard and low Good 25 75 28 10

SLAUGHTER HEIFERS—Few Choice 825 900 lbs 28 85 29 75

COWS—Utility and high dressing Cutter 25 50 26 75 five head 26 85 27 25 Cutter 24 00 25 50 Canner and low Cutter 21 50 23 50

BULLS — Choice 29 75 30 85 Good 28 50 29 75 Utility and Commercial 28 00 31 00 several 31 00 31 85 eight head 32 25 33 60

CALVES 96 — Vealers 3 00 5 00 higher

VEALERS — Choice 50 00-54 00, few 55 00-57 00 Good 46 50-51 00 Standard 44 00 48 00 Utility 38 00-44 50

CALVES RETURNED TO FARM — Bulk 90-120 lbs 40 00-49 00, few 50 00-59 00

HOGS 188 — Barrows and Gilts 50 lower

BARROWS AND GILTS—US 1-2 220 245 lbs 26 50 26 75, US 2 3 195-245 lbs 25 10-25 60, US 2 4 205 235 lbs 24 60 24 85, 250 260 lbs 23 85 24 10.

SHEEP 40 — Few Good 40 55 lbs Spring Lambs steady at 30-50

Weekly Review

June 4, 1970

CATTLE 3100 — Compared to last weeks close, Slaughter Steers weak to mostly 50 lower, Cows 50 75 higher, Bulls strong to 50 higher. Supply included an estimated 55 percent Slaughter Steers 25 percent Cows and Bulls, with the balance mainly Feeder Steers

SLAUGHTER STEERS — High Choice and Prime 1050 1325 lbs 30 50 31 50, few loads mostly Prime 1150 1250 lbs on Monday 31 50-32 15, Choice 950 1400 lbs 29 75 31 00 High Good and low Choice 28 75 30 00 Good 27 85 29 50 Standard and low Good 25 75 28 10

SLAUGHTER HEIFERS — Few Choice 825 900 lbs 28 35 29 75

COWS — Utility and high dressing Cutter 25 25 26 75 five head 26 85 27 25 Cutter 23 75 25 50 Canner and low Cutter 21 50 23 50

BULLS — Choice 29 50 30 85 Good 27 50 29 75 Utility and Commercial 28 00 31 00 several 31 00 31 85, eight head 32 25 33 60

CALVES 350 — Vealers 2 00 to mostly 5 00 higher

VEALERS — Choice 50 00 54 00, few 55 00-57 00, Good 46-00 51 00 Standard 44 00 48 00, Utility 38 00 45 00

CALVES RETURNED TO FARM Bulk 90-120 lbs 40 00-49 00, few 50 00-59 00

(Continued on Page 3)

Vintage Auction

June 2, 1970

CATTLE 971 — Compared to last Tuesday, Slaughter Steers 25-50 higher, Cows strong to 50 higher, Bulls 25 50 higher Supply included 13 per cent Cows

SLAUGHTER STEERS — High-Choice and Prime 1000 1300 lbs 31 00-32 10, few head 32 25 32 85, Choice 950-1375 lbs 29 75-31 50, high-Good and low Choice 28 85 30 00, Good 28 00 29 50 few Standard 26 00-28 00

SLAUGHTER HEIFERS — Choice 700-950 lbs 27 50 28 85

COWS—Utility and high-dressing Cutter 24 00 26 00, few 26 10-26 75 Cutter 23 25 25 25 Canner and low-Cutter 21 50 22 75

BULLS — Choice 29 50 31 00 Good 28 50-29 75 Utility and Commercial 28 50 31 60 six head 32 00 32 35

CALVES 404 — Vealers weak to 2 00 lower Calves returned to farm sold higher

VEALERS — Choice 48 00 52-00, few 53 00-55 00 Good 45 00-49 00 Standard 42 00-46 00 Utility 37 00-42 00

CALVES RETURNED TO FARM — The 85-120 lb Bull Calves 42 00-50 00, 90-115 lbs Holstein Heifers 69 00-73 00, 120-140 lbs 58 00-65 00, 140-160 lbs 47 00 54 00

HOGS 331 — Barrows and Gilts 25-50 higher

BARROWS AND GILTS — US 1 205 230 lbs 27 00-27 60, US 1-2 200-240 lbs 26 10-26 85, US 2-3 200-250 lbs 25 25-25 85, US 3-4

(Continued on Page 3)

New Holland Auction

June 4, 1970

CATTLE 1008 — Compared to last Thursday, Slaughter Steers weak to 50 lower, with most decline on early sales of Choice and Prime, Cows strong to 50 higher, Bulls 50 1 00 higher, most advance on Utility and Commercial Supply included 18 per cent Cows and 20 per cent Bulls

SLAUGHTER STEERS — High Choice and Prime 1000-1225 lbs 30 85-31 75, few head 32 00 Choice 950-1325 lbs 29 75 31 25, high Good and low Choice 28 75 30 00, Good 27 50-29 00 Standard and low Good 25 25 27 75

SLAUGHTER HEIFERS—Few Choice 760 1050 lbs 28 00 28 60 Good 26 00 27 25

COWS — Utility and high-dressing Cutter 24 00-26 00, several 26 00-26 85, Cutter 23.25-25.-00, Canner and low-Cutter 22.00-23 50

BULLS — Choice 28 75-30 50, six head 31 60-33 10, Good 27.50-29 25, Utility and Commercial

(Continued on Page 3)

Chicago Cattle

Weekly Review

Compared with last weeks close, slaughter steers uneven, High Choice and Prime and weights over 1200 lbs 25 50 lower other grades and weights steady to 25 lower Slaughter heifers steady to 25 lower Cows 25 50 higher Bulls unchanged.

Receipts 75 per cent slaughter steers 20 per cent heifers,

(Continued on Page 3)

New York Eggs

Prices are lower on mediums, otherwise mostly unchanged anticipated needs Additional Distributive trading light Receipts light and restricted to country point offerings are heavy on mediums from both nearby and Southern points with large browns readily available from New England Offerings of jumbos are very light Street sales of extra large range 35½-38½c with some re-quirly going unfilled Large browns are ample with fancy large whites fully adequate Mediums excessive with volume sales to breakers generally at 22c Smalls about in balance with fair movement to exporters and breakers and spotty local demand Standards adequate Cartoning activity slow to occasionally fair

FUTURES TRADING

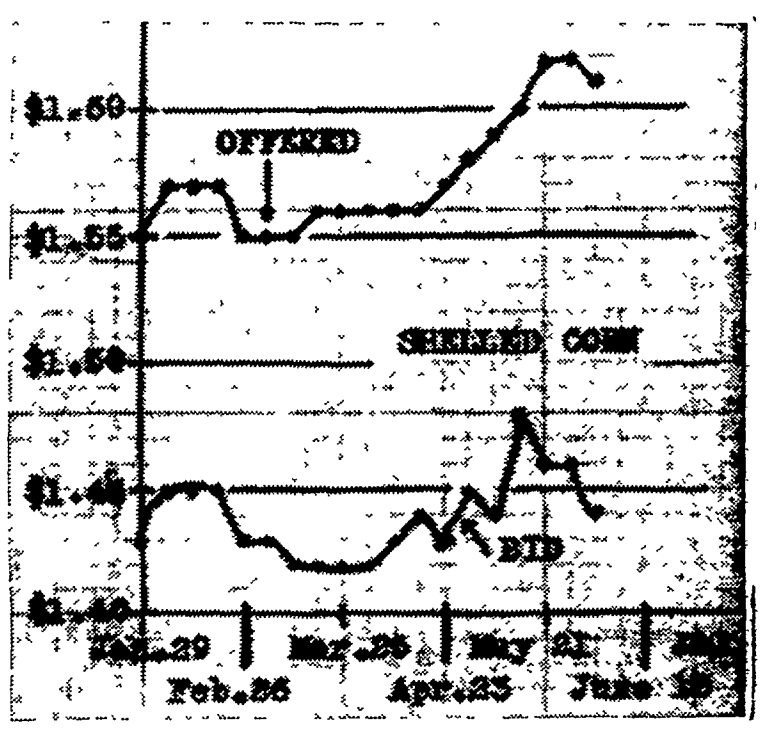
(Closing bids as of Wednesday, June 4, 1970)

	Chicago Cattle	Chicago Hogs	New York Maine Potatoes	Chicago Fresh Eggs
June	30.55	26.07		32.60
July		25.85		34.40
August	30 30	24.00		
September				36.00
October	29 30	21.05		34.20
November			2.53	35 55
December	28.85	20.30		35.35
January '71				34.45
February	29.00	20.15		
March			2.84	
April	29.07		3.05	
May			3.62	

a-asked b-bid n-nominal

Trend Cattle are stronger, Hogs are steady, Potatoes are steady and Eggs are stronger

Markets provided by Commodity Dept., Reynolds & Company



Local Grain Prices

These prices are made up of the average prices quoted by six participating local feed and grain concerns It should be noted, however, that not every dealer handles each commodity All prices are per bushel, except for ear corn which is per ton

The average local grain prices quoted Thursday, June 4, 1970, are as follows

	Bid	Offered*
Ear Corn	$37 00	$42 33
Shelled Corn	1 44	1 61
Oats	84	.90
Barley	1 11	1 26
Wheat	1 37	1 55

*Bid is the price the dealer will buy from the farmer delivered to the mill Offered is the price the dealer will sell for at his mill.

LLOYD H. KREIDER

Auctioneer and Sales Manager

Quarryville R#2 Box 180

Ph: 786-3394

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DAIRY SALE — WEDNESDAY at 12:30 P.M.

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SALE EVERY TUESDAY 12 NOON

FAT HOGS AND FEEDER PIG SALE EVERY SATURDAY AT 9:00 A.M.

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Box 100 Paradise, Pa.

10 mi East of Lancaster on Rt 30

Kenneth E. Hershey, Sales Manager

Weekly Poultry Report

Delmarva

Ready to cook movement fair but unaggressive with prices becoming more competitive as offerings are forced for clearance Advance interest developing slowly with a difference of opinion as to values prevailing in some quarters Live supplies ample with weights occasionally heavier than desired Under tone weak and unsettled

Negotiated trucklot prices 2-3# ready-to cook broiler/fryers for delivery next week U S Grade A Tfewr, Plant Grade 25-27½c. Pool trucklot prices for Thursday arrival at terminal markets U S. Grade A 27 29½ mostly 27½-28c; U S Grade A 26-27½ mostly 26½-27c Special packs including 1½-2, 3½# sizes Tfewr.

Eastern Pennsylvania And New Jersey

Prices of light type hens held unchanged. Offerings somewhat lighter than in previous weeks but generally adequate for a fair but unaggressive demand Interest from further processors no better than fair Offerings of heavy type hens fully adequate for current limited needs Prices paid at farm Light Type Hens 5½ 7½ mostly 7-7½c Heavy Type Hens Tfewr

Fogelsville

June 2, 1970

(Prices paid dock weights, cents per lb, except where noted)

HENS, Heavy Type 8-24 mostly 11-14, PULLETS 24-30; ROASTERS 15 27, RABBITS 15-70 mostly 44-66; GUINEAS 1 00-1 20, PIGEONS (Per Pair) 1 00-2 35 mostly 1 00-1 30.

TOTAL COOPS SOLD 365

● Vintage

(Continued from Page 2)

250-270 lbs 23 10-23 85, One lot 280 lbs 22 60

SHEEP 56 — Spring Lambs 2 00-4 00 lower

SPRING LAMBS — Choice 65-100 lbs 29 50 31 00, Good 27 00-30 00.

Federally Inspected Livestock Slaughter

(For week starting June 1, 1970)

	Cattle	Hogs	Sheep
Week to date	464,000	1,005,000	149,000
Same period last week	475,000	1,079,000	158,000
Same period last year	450,000	1,098,000	157,000

Estimated daily livestock slaughter under Federal Inspection.

● New Holland

(Continued from Page 2)

28 25 31 00, several 31 25 32 85, six head 33 60 34 35

CALVES 341 -- Vealers 2 00-4 00 higher, Calves returned to farm higher

VEALERS — Choice 50 00 53 00, few 53 50 56 00 Good 46 00 51 00 Standard 42 00 49 00 Utility 38 00 42 00 Cull 90 120 lbs 30 00 37 00

CALVES RETURNED TO FARM — Bulk 85-120 lbs 40 00-50 00, 90-125 lbs Holstein Heifers 63 00-73 00, 120-160 lbs 54 00 61-00.

SHEEP 18—Insufficent volume for a market test

COWS
June 3, 1970

Receipts of 88 cows, 1 bull and 3 heifers sold steady Fresh Holstein 415 630; Other breeds 285-385, Bull 320, Heifers 350 400

HORSES
June 1, 1970

Receipts of 354 horses sold steady Work Horses (single) 135-230, Riding Horses 115 320, Driving Horses 100-445, Pony Mares 20-35, Gelding 10-20, Killers 9-10

HOGS
June 1, 1970

A total of 688 hogs were sold as follows Retail 26-27, Heavyweights 22 25 50, Wholesale 2, 3, 4s, 25 50-26, Sows 16 50-18 50, Boars 16 50-18

CALVES
June 1, 1970

Calf receipts totaled 81 Choice and Prime 48-54; Good and Low Choice 42 47 50, Standard 36-41-50, Common 30-35 50

HAY
June 1, 1970

Eight loads of hay and straw sold as follows Mixed Hay 24-35, Straw 30-36.

Weekly New York Egg Mkt.

From Monday, June 1st to Friday, June 5th

	Mon.	Tues.	Wed.	Thurs.	Fri.
WHITE					
Fcy Ex Large	37½	37½	37½	37½	37½
Fcy Large	33½	33½	33½	33½	33½
Fcy Mediums	26½	26½	25	25	25
Fcy Pullets	18½	18½	18½	18½	18½
Fcy Peewees	13	13	13	13	13
BROWN					
Fcy Large	35	35	35	35	35
Fcy Mediums	26½	26½	25	25	25
Fcy Pullets	18½	18½	18½	18½	18½
Fcy Peewees	13	13	13	13	13
Standards	30	30	30	30	30
Checks	20	20	20	20	20

Tone — Supply of large and mediums ample Carton orders fair, occasionally improved Breakers interest good

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● Chicago

(Continued from Page 2)

1400 lbs 30 50 31 25, Choice 975-1300 lbs Yield Grade 2 to 4 29 75 30 75 Choice 1300 1400 lbs 29 25 29 75 Mixed Good and Choice 29 00 29 75, Good 27 75 29 00, Standard and Low Good 27 00 27 75

● Lancaster

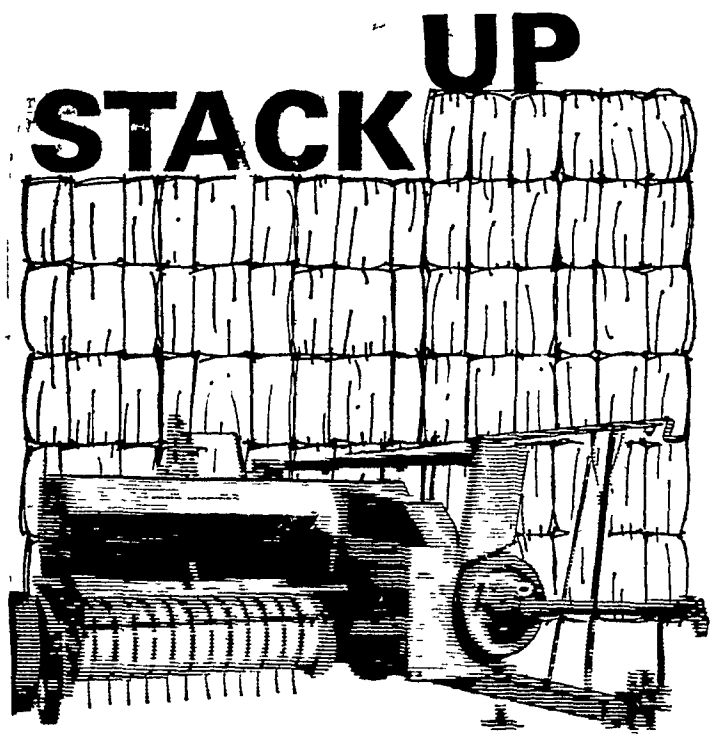
(Continued from Page 2)

HOGS 1050 — Barrows and Gilts steady to 50 higher

CLOSING SALES, BARROWS AND GILTS — US 1 2 220-245 lbs 26 50 26 75 US 2 3 195-245 lbs 25 10 25 60 US 3 4 205-235 lbs 24 60-24 85 250 260 lbs 23 85 24 10

SHEEP 250 — Spring Lambs weak to 1 00 lower, Ewes scarce

SPRING LAMBS — Choice 60-90 lbs 28 00 30 50, Good 50-90 lbs 26 50 28 50 few Good 40-55 lbs. 30 50.



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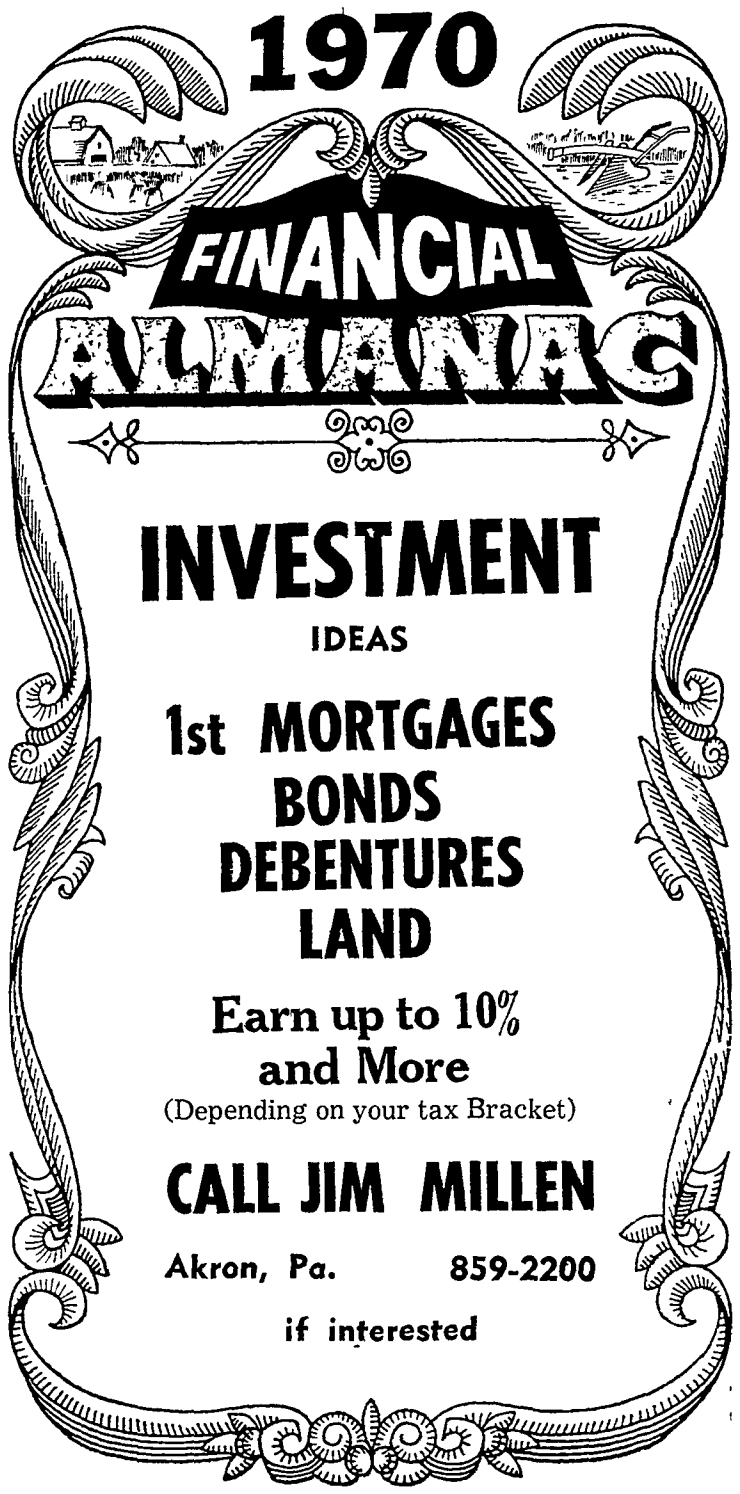
WHEN you use a 300 Series you can be sure your bales will stack up . . . not lean toward a tumble.

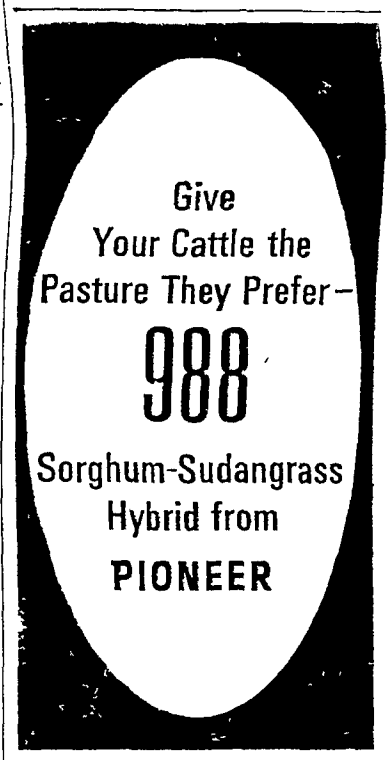
Twin-Feed rakes put a full-width charge into the baling chamber every stroke. You get solid, even-sliced, well-formed bales that won't break before they're in the barn.

Come in and see the Allis-Chalmers 300 Series Baler. Inspect the features that give you tight bales that stay tight . . . ton after easy-handling ton. See for yourself why Going Orange is Going Great.

L. H. Brubaker Lancaster, Pa.
Grumelli Farm Service Quarryville, Pa.
Nissley Farm Service Washington Boro, Pa.
L. H. Brubaker Lititz, Pa.
Roy H. Buch, Inc. Ephrata, R.D. 2
N. G. Myers & Son Rheems, Pa.

ALLIS-CHALMERS





Strip tests prove it: Cattle prefer Pioneer brand sorghum-sudangrass hybrid over other brands. That means they'll eat more . . . . make more meat or milk. Unbeatable hot-weather pasture or green-chop. Can be planted on diverted acres and grazed after September 1. Treat your cattle to the pasture hybrid they like best!

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We Salute Dairying!

It's impossible to over emphasize the importance of dairying to agriculture in Southeastern Pennsylvania

Milk itself produces about one fourth of farm revenues in the rich agricultural area in and around Lancaster County

But many other crop and livestock enterprises are closely related to dairying In many instances, crops are produced to feed dairy animals. Other farm animals often are bought by proceeds from dairying and merely represent a form of diversification from the main farm enterprise — dairying

In this edition, our first during June Dairy Month, we devote nearly all our space to this vital farm enterprise In the wide variety of material on many aspects of dairying, we think there's something informative, new, interesting and challenging for every farmer

We give special thanks to the many individuals and organizations which contributed material and helped make the issue a success

And a special appreciation to our many advertisers, who make our Dairy issue possible.

Dairy Pageant Fun

The success of the Lancaster County Dairy Princess Pageant apparently has been assured by the entry of eight lovely, milk fed, Lancaster County lasses We're proud to introduce them this week

Everyone we have talked to has been literally tickled by the response so far to the Pageant, not only because of the number of entries, but also because of the high calibre of the girls. The elation over the response is particularly understandable because the pageant had to be cancelled last year due to lack of interest.

The feeling is that we can't fail to have an outstanding Dairy Princess this year. Which is as it should be

Dairying is by far Lancaster County's largest farm income producer Dairying brought more than $37 million to County dairymen in 1969 That was about 30 per cent of the $123,650,000 of total county farm income.

Dairying is big business here. It is also a vital and dynamic way of life for a large proportion of the area's more successful farm families.

But we think dairying is and ought to be something else, too — FUN! The Dairy Pageant, beginning at 6:30 p.m June 23 at the Farm and Home Center, will emphasize the fun side of dairying.

Let's go to the Pageant and have some fun

On Stopping Imitations

Concerned mothers ask, "Are the new imitation milks nutritious for children?"

Dr Philip L White answers the question in his column, "Let's Talk About Food": "Two different kinds of imitation milks have been added to the dairy cases in many markets in the last year or so One variety is a filled milk, a product in which the milk fat of whole milk has been replaced by a vegetable oil."

"The other kind of imitation milk is a concocted product made to look and taste like milk but otherwise bears little resemblance to it "

Laboratory tests show that milk has 26 per cent less saturated fats than do the filled milks

In addition, the consumer should know that whole milk is higher in polyunsaturated fat

Laboratory tests reveal that 28 5 per cent of the milk fat is the polyunsaturated type, whereas, filled milk has an unsaturated fat content of only two per cent, and imitation or artificial milk contains only five per cent of the unsaturated type of fat

The consumers are concerned about the total sugar in their diet The total sugar in whole milk is 4 8 per cent, filled milk has 5 3 per cent, and imitation milk has 6 7 per cent

Shouldn't Replace Milk

Dr White described typical ingredients of the imitation and then added "Unless one is sure that the nutritive value is equivalent to whole milk, such products should not be depended upon to replace milk in the diets of children "

In the next several years, dairymen probably can expect increased efforts by imitation products to break into the dairy market

The point is that the dairyman needs to know his own product better in order to defend his product against imitation products, most of which are inferior to milk.

Sometimes the best defense is a strong offense In this respect, we note the growing trend to advertise and promote milk on television and in magazines.

Milk Can Win

This account from another part of the country gives an example of what can be done and is proof that when farmers decide to fight back, they can win against the imitation products.

According to the milk administrator of the central Arizona milking area, the high point of filled milk sales in the marketing area was reached January 1969 when the total was 3,930,300 or 10 4 per cent of Class I milk sales Filled milk sales declined to 1,963,000 pounds in July, 1969 or 6 2 per cent of the Class I milk sales.

The filled milk sales were severely cut by a campaign put on by the American Dairy Association, United Dairymen of Arizona, Arizona Milk Incorporated and the National Dairy Council. The effectiveness of the campaign was revealed in the decline of filled milk sales

After a study had been made of the Central Arizona milk on the buying habits of consumers, it became evident that an important percentage of the consuming public was not aware that they were buying filled milk rather than real milk

Upon completion of the study, an intensive advertising and educational campaign was planned to inform the public of the difference in the products

In addition to the campaign, a group known as Consumers on Watch was organized to set the public straight with reference to filled milk.

The campaign pointed out that consumers were confused by the display and labeling of the several filled milk brands on the market This made the campaign program necessary.

Milk is a quality product.

An effort is building to sell milk as a quality food and as a fun and energy beverage

We suggest that Southeastern Pennsylvania farmers should stay alert to developments in this battle by the milk industry for the support of the consuming public

In the long run, this market battle in the communications media of the cities can be as important to the farmer as his own individual battle to keep quality and production high

LANCASTER FARMING
Lancaster County's Own Farm Weekly

P O Box 266 Lititz Pa 17543
Office 22 E Main St Lititz Pa 17543
Phone Lancaster 394 3047 or Lititz 626 2191

Robert G Campbell Advertising Director
Zane Wilson, Managing Editor
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Member of Newspaper Farm Editors Assn Pa Newspaper Publishers Association, and National Newspaper Association

NOW IS THE TIME...

By Max Smith
Lancaster County Agent

To Practice Farm Pond Safety

Schools are out and the hot summer days make the farm pond more and more attractive to many youngsters All pond owners are urged to provide water rescue equipment such as inflated inner tubes, rafts, wooden ladders and long boards at the edge of the water and in good condition No one should ever be permitted to swim alone Ponds provide excellent summer recreation but water safety should be practiced

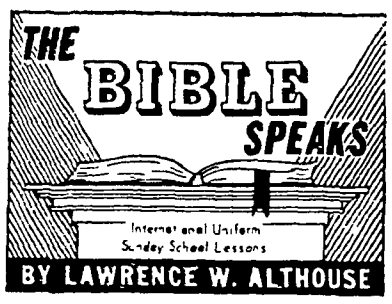
To Spray Alfalfa Stubble

Growers who harvested the first cutting of alfalfa without any insectide spray will benefit from a spray on the stubble, in many cases there were some weevil at cutting time and these must be killed in order to get maximum growth for the second growth Weevil infestation was heavier than anticipated on many fields and this stubble spray needs attention at this time.

To Prepare Grain Bins

The new crop of barley and wheat is developing rapidly and all old grain should be removed from the bin In order to be certain that insects are not waiting there for the new crop the bins should be thoroughly cleaned and sprayed with insecticides such as malathion or methoxychlor

For Full Market Reports Read Lancaster Farming



DOWN WITH WALLS

Lesson for June 7, 1970

Background Scripture: Ephesians 1 through 2.
Devotional Reading: Ephesians 3:1-10.

Several years ago an African student who was studying in an American college told me of an experience that happened to him shortly after he arrived in this country.

Rev. Althouse

He had never been more than fifty miles from his own home and this country was so strange and different and the city in which he was attending college was so large that he felt very lonely and homesick. As a Christian (he had been born into a Christian family) he looked forward to his first Sunday in this country as an opportunity to meet some new Christian friends.

Sunday arrived and he set out for a nearby church he had noticed earlier in the week. "Everyone welcome!" a sign had proclaimd. "The Friendly Church," promised another. With a sense of happy expectation he ascended the steps in front of the church.

Your church

"Good morning," he said cheerfully to the usher at the front door. Instead of a similar response, however, there came a heavy hand on his arm, a restraining hand, and a cool, "Where do you think you're going?"

The man was smiling so the student assumed he had made a mistake "Isn't there going to be a service at 11 o'clock?" he wanted to know. "Nigger," said the man with a humorless grin, "there's no service for you here at any time! Your church is down near the railroad station."

"Your church," the man had said as if some churches belonged to some people and other churches belonged to others. For the first time since he had joined the Christian Church, he felt a strange sense of being divided off from some of his fellow Christian. The churchdoor had become a wall.

The wall of alienation

The writer of Ephesians calls this dividedness "alienation." In addressing Christians in Ephesus who were regarded as Gentiles before their conversion, the writer is reminding them that until the coming of Christ there had been a wall dividing them from the "people of God" (the commonwealth of Israel, Ephesians 2:12). The promises that had been made to the Jews (the covenants of promise) had been beyond their reach because of this wall.

It was true that there had been a strong barrier between the Gentile and the Jew. The Hebrew laws called upon the Jew to keep himself at a distance from all unnecessary contact with Gentiles. Such contact, it was thought, made the Jew impure in God's sight.

The greatest segragation was in the house of worship. Gentiles who entered the temple area could be summarily killed for violating the sanctity of this holy place with their impurity. Thus the wall separating Jew and Christian Gentile was not just a legal wall, but a wall of distrust, suspicion, and hostility.

An eternity of space

The wall, however had been broken down now and things could never be the same. Actually, several walls had been destroyed by Christ:

Down came the wall which had separated them from Christ,

Down came the wall that separated them from the people of God.

Down came the wall that made them strangers to the promises which God had made with the people of Israel.

Down came the wall that had shut them off from God and hope.

Once an eternity of space had separated the Greek and Jew; now that eternity had been bridged because a man named Jesus had laid down his life.

There are still so many walls today: walls between races, walls between regions, walls between classes, walls between generations. To all of us who stand on either side of these walls Christ commands as he did to the Jew and the Gentile, "Down with walls!"

(Based on outlines copyrighted by the Division of Christian Education, National Council of the Churches of Christ in the U.S.A. Released by Community Press Service)

Angus Breeders Discuss Production Efficiency

"American beef producers can never expect to sell more of their product by producing an inferior one," J. C. Holbert, vice president of the American Angus Association from Bettendorf, Iowa told more than 400 persons attending the recent Western States Angus Forum in Reno, Nevada.

"If we drop the quality of our beef by lowering grading standards we are going to open up the door to more imported beef and meat substitutes," he said. "If we do away with the flavor, juiciness and tenderness of beef we will have done much to destroy our market."

Holbert contended that Angus breeders must maintain quality while using every means available to produce even more efficient breeding cattle and steers.

Holbert's remarks keynoted the two-day Forum and Western National Angus Futurity Show in which cattle breeders, meats researchers and beef merchandisers explored efficiency in beef cattle production and recommended steps to improve profits and consumption of beef in the United States during the 1970's.

There is no easy road to profit in the cattle business," Lloyd D. Miller, secretary of the American Angus Association told the group. "But one word that pretty well sums it up is efficiency. That's why we are going to explore every method which will make Angus herds more efficient."

The question of cow size and efficiency was examined by a panel of commercial cattlemen.

"One can't talk about cow size and efficiency until he first knows what kind of calf he wants to produce," said Ray Crusch of Barnville, Montana, who has been production testing in his herds for the past 12 years.

"I want steers that weigh between 550 and 600 pounds at 205 days of age that make good growth in the feedlot and finish to USDA Choice at 1,000 to 1,100 pounds and produce the kind of carcass that the packers want and the housewife likes to serve her family. If I save my replacement heifers from the cows that produce this kind of steers then they should eventually produce the right kind of steers," he said.

"My cows range from 1,050 to 1,200 pounds and I don't want them any larger because they would cost too much to winter."

Crusch explained that he had found little correlation between the size of his cows and their producing ability. Larger cows, he said, are the top producers according to his records but there is no marked correlation. One reason for this, he said, is that there are many factors other than size which determine top production.

Crusch emphasized he wants cows that weigh 1,100 to 1,200 pounds and he wants them to get this growth early. Last October my replacement heifers weighed 930 pounds at 19 months of age. This means they had obtained 80 per cent of their growth and that they would gain only 20 per cent more for the next five years. We want cattle that show a sharp growth curve and then level off at the weight we want. If you want 1,050 pound steers this is where they should level off.

We need cows that produce a slaughter steer that will weight 1,060 to 1,150 pounds at 14 to 17 months of age and grade USDA Choice with Number 2 or 3 cutability," said Glen Eidmann, a commercial cowman Willows, California who is deeply involved in crossbreeding. "If you have a cow that will do this I don't care what she weighs, but there is only one way we are going to find this kind of a cow and that is by keeping accurate records."

Eidmann has been keeping production records on his herd for 12 years. The calf crop averages 604 pounds at 205 days. His cows average 1,291 pounds as eight year olds in good condition about 20 days before calving.

"I've gone back over the past 10 years and selected the top and bottom 10 per cent of our cows based upon production. The top 10 per cent averaged 1,296 pounds just before calving and the bottom 10 per cent averaged 1,201 pounds. This means that the top 10 per cent of the herd weighs 95 pounds more than the bottom 10 per cent. Also the top 10 per cent weighs only 35 pounds more than the average of our herd. So you see there isn't anything extremely dramatic about weights or averages.

Our cows have a mature weight of from 1,100 to 1,200 pounds and I would like to have them a little larger," said Walter McEwen of Burns, Oregon who runs a large commercial cow herd in the semi-desert region of Eastern Oregon. "Good range country in our area will handle one cow per 10 acres per month and bad range land requires about 18 to 20 acres per head per month."

The panel discussion was followed by a live animal demonstration in which the audience used live animals and their records to select replacement heifers and to cull cows from a group of cows and their weaning age and yearling age offspring. It illustrated that cows that look very much alike can differ greatly in their production efficiency.

"Efficiency has to determine size of beef cattle," George Strathearn, manager of the Grand National Livestock Show in San Francisco, told the group. "The beef cattle market is tied to the USDA Choice grade, and we can't forget that the cattle we breed have to be able to grow fast and efficiently to market weights and grade USDA Choice.

"Some 80 per cent of all cattle slaughtered are fed cattle, so we need marbling in our cattle. We need growth and efficiency, too," he stressed, "but cattle that keep on growing past market weight and still won't grade aren't efficient."

Strathearn stressed that ton bulls were impractical and inefficient in his operation of commercial cattle. "We use 1,600 to 1,700 pound bulls that get us a 90 per cent calf crop and produce cattle that packers prefer. This size of cattle is big enough."

Strathearn also told breeders they must become more involved in their business. Breeds have a big promotion job to do and there is a need to close the gap between purebred and commercial cattle.

(Continued on Page 6)

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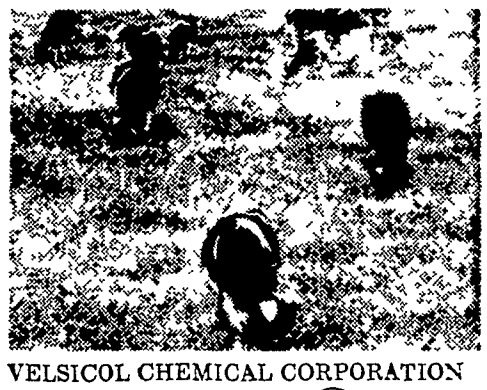

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NEBA Names New District Manager

Willard Odenwelder of Myerstown has been named to the position of Manager of NEBA Districts II and IV He succeeds Larry Swenson who recently resigned from this position

Willard, a three year veteran of the Marine Corps was originally employed by the former Lehigh Valley AI Coop on November 1, 1950 Since that time he has serviced more than 50,000 first service cows while working in the Lehigh Lebanon Berks area

As a NEBA District Manager, Odenwelder will be responsible for the selection, training, and supervision of technicians He will assist in the development of organizational policies and will represent the organization in the promotion of good member relations His area of responsibility includes Southeast Pennsylvania and all of New Jersey

Farm Calendar

Saturday, June 6

11 00 a m - 6 00 p m — Lancaster County Senior Extension Club chicken barbecue, Stauffer's Market, Rohrerstown

Monday, June 8

7 30 p m — 4 H Ayrshire, Jersey, Brown Swiss Club, home of Rohrer Witmer Willow Street RD2

7 30 p m — Elm Penryn 4 H Club, Penryn Fire Hall

Tuesday, June 9

10 30 a m — State Highways Department hearing on Route 30, Harrisburg.

7 30 p m — 4 H Elizabeth-Donegal Community Club, home of Kenneth Berry, Mount Joy RD2

7 30 p m — 4 H Guernsey Club, home of Jesse Balmer, Lititz RD4

Wednesday, June 10

10 00 a m - Noon — 4 H Strawberry Round Up, Lancaster Rotary Club, Holiday Inn, Lancaster

12 30 p m — 4 H Tractor Club to leave Farm and Home Center for tour of Caterpillar Plant, York.

8 00 p m — Joint meeting of Red Rose 4-H Beef and Lamb Club and New Holland 4-H Baby Beef Club, Lancaster Mayor Thomas J Monaghan speaker, Farm and Home Center.

Thursday, June 11

9 00 a m — 4-H dairy judging practice session, farm of Henry Kettering, Lititz RD3

7 30 p m — 4 H Lititz-Manheim Club, home of Raymond Stoner, 1051 Eden Road, Lancaster

Friday, June 12

7 00 p m — Pennsylvania Egg

(Continued on Page 12)

● Angus Breeders

(Continued from Page 5)

men There needs to be more cooperation between these two groups, he stressed

Lloyd Bergsma of the Texas Cattle Feeders Association, Amarillo, Texas stressed the need for fast growing cattle that grade USDA Choice at 1,000 to 1,100 pounds To do this they must marble and this is why feeders in his area prefer an Angus crossbred steer Crossbreds, he said, usually outperform straightbreds, but if they won't grade they are simply not efficient

Harold Tuma, Kansas State University, Manhattan, moderated the beef panel He explained that in an informal survey conducted prior to the Forum he found that about 70 per cent of the retailers he talked to want carcasses that grade average Choice or higher Another 10 per cent will buy ungraded beef probably high Good and below, and the rest are in between Every retailer, however, stressed the need for high cutability he said Some indicated they wanted 5 inch or less over the 12th rib and the remainder demand a yield grade of 2 or 3

The final portion of the program was a demonstration to show how various types of cattle preform in the feedlot The steers were all selected from one herd, but they represented short, dumpy cattle more average size cattle, and longer-bodied longer-legged cattle They were fed and two of each group were slaughtered by the University of Nevada In general the longer cattle made faster gains and had less waste fat The USDA grades were about the same as all from the choice grade

All the carcasses were measured for tenderness by Armour and Company's new Tenderometer machine The readings ranged from 12 to 14 on the Tenderometer machine Anything under 18 is considered tender This was only the second public demonstration of the machine which many hope will help accurately predict the tenderness of carcass beef

The Forum was sponsored by the American and Western States Angus Associations in cooperation with the University of Nevada of Reno

FACTS ABOUT FARMING

There are estimated to be some 600 insect species which causes farmers of North America problems in food production Over three billion dollars is spent annually to control these pests

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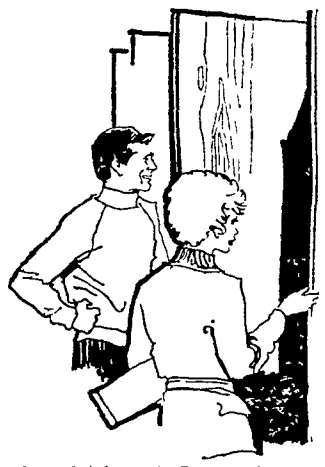

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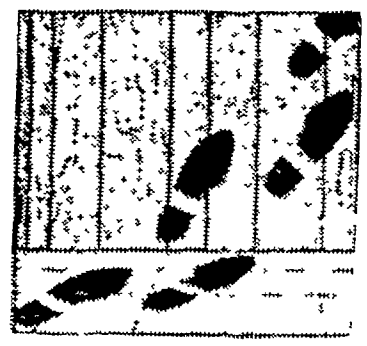

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Let everyone help fetch ice and oversee cranking A badminton or croquet tournament will distract while the ice cream "ripens." Winner gets the first taste!

VANILLA CUSTARD ICE CREAM

- ¾ cup sugar
- 3 tablespoons regular all-purpose flour
- ¼ teaspoon salt
- 2 cups light cream or half and half
- 2 eggs, slightly beaten
- 2 cups light cream or half and half
- 1½ tablespoons vanilla

In a 1 quart saucepan combine sugar, flour and salt, gradually add 2 cups light cream Cook over medium heat, stirring constantly, until thickened Cook 2 additional minutes Add small amount of hot mixture to eggs, return all to pan Cook, stirring constantly, 1 additional minute Remove from heat Add remaining 2 cups light cream and vanilla Chill thoroughly. Proceed with freezing according to freezer manufacturer's directions Yield, approximately 1½ quarts

Variations

Strawberry Ice Cream: Reduce vanilla to 1 tablespoon Combine 2 cups fresh mashed strawberries with ¼ cup sugar When ice cream is half frozen, stir in sweetened fruit and continue freezing

Mocha Ice Cream: Increase sugar to 1 cup Combine ¹ cup cocoa and 2 tablespoons instant coffee powder with sugar

Chocolate Ice Cream: Increase sugar to 1 cup. Add 2 squares (2 oz) unsweetened chocolate, cut up, to cream before cooking.

Banana Ice Cream: Reduce vanilla to 1 teaspoon Add 1 cup mashed banana, 2 tablespoons lemon juice and 3 4 drops yellow food coloring to chilled mixture just before freezing

Peach Ice Cream: Combine 2 cups mashed peaches and ¼ cup sugar When ice cream is half frozen, stir in sweetened fruit and continue freezing

Maple Nut Ice Cream: Substitute 1 teaspoon imitation maple flavoring for vanilla

Stir 1 cup finely chopped nuts into chilled mixture just before freezing

Notes On Freezing

1 Fill ice cream freezer can not more than ⅔ full with ice cream mix

2 Pack with 1 cup rock salt to each 8 cups crushed ice in alternate layers until level with top of can

3 When ice cream has formed, electrical freezer will labor or hand model will be difficult to turn (approximately 20 30 minutes) Remove top and carefully draw out freezer whip. Press ice cream into can Cover. Repack with salt and ice in 1 to 4 mixture about 1 hour

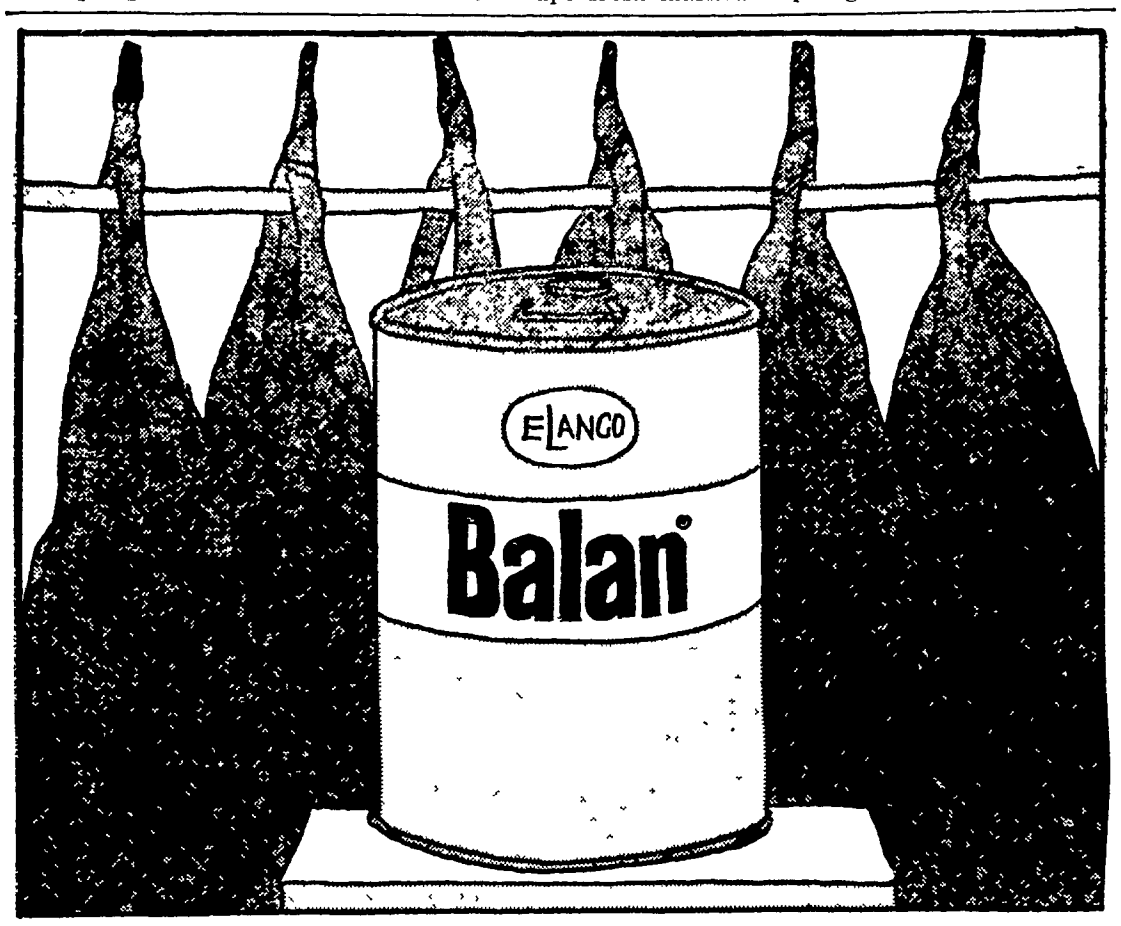
Testers, Not Owners, Set DHIA Visit Times

Donald S Eby, president of the Lancaster County DHIA, has notified organization members that the herd owner must agree to have his herd tested when the supervisor or tester visits the farm

The tester is not obligated to call the farmer before going to the farm Although individual testers generally cooperate with the farmer when the farmer calls for time consideration in event of sickness or death in the family or other legitimate reason, such concessions are not mandatory the owner cannot demand that he be tested at a certain time, Eby said

Victor Plastow, associate county agent, said the rules clearly indicate that the farmer has no right to know when the tester will arrive

The comments were made after it was reported at a recent DHIA meeting, that some farmers sometime refuse to allow the tester to make the test when he calls or arrives on the farm



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Cucumber Plants Growing, Acreage Nearly Doubles From 1969; Tobacco Partly Planted

Lancaster County's newest cash crop, cucumbers, has been planted and is "off to an excellent start," according to Harvey Good of Intercourse, field representative for Oxford Pickle Company.

Good said that many plants are "just coming through the soil" and some of the earliest "have leaves about the size of a maple leaf."

Some 82 acres of cucumbers are being planted this year, compared to 48 last year.

Harvest is expected to start between July 2 and 6 and be finished by late August, about a seven-week harvest period.

Good said the average yield last year was 622 bushels per acre with the top 10 of 39 growers averaging 1,020 bushels per acre.

The secret on yield, Good said, is to pick frequently and get the vegetable at the right size.

The major problem with cucumbers, he said, is the cucumber beetle, a black housefly-sized insect with a yellow stripe on its back. The cucumber beetle injects bacterial wilt into the stalk and, if it's not combated, the stalk will die at the bloom stage. After the bloom stage, the bug is no problem.

But if the beetle isn't checked, 60 per cent or more loss in the plant population can occur, Good noted.

Elsewhere, Max Smith, county agent, said he thinks only about one-fourth of the county tobacco crop has been planted through this week.

Asked if he expects the trend of the past several years toward reduced acreage in the county to continue, Smith said he doesn't know of anything that would stop the trend. But there's no way to tell for sure at this point, he said.

He noted that in 1969, some 18,200 acres of tobacco were harvested in the county, compared to 19,100 in 1968.

Because of a good growing season in 1969, however, the lower acreage produced 1,900 pounds per acre with a total value of $10,374,000, compared to 1,810 bushels per acre worth $9,679,000 in 1968.

Yield is largely a matter of weather. Like corn, tobacco needs plenty of moisture with moderate Summer temperatures. The type of weather so far this Spring would be ideal for tobacco, but right now the ground is getting a little dry and we need a good rain, Smith said.

Official Predicts 50% Drop in Herds by 1980

Dairy herds will become fewer and larger in the 1970's, predicts A. G. Mathis, head of the dairy section of the economic and statistical analysis division of USDA's economic research service.

Mathis said that by 1980 there may be as few as 200,000 dairy farms selling milk, as compared to about 400,000 now.

He also stated "Now, farms selling milk or cream average about 30 cows per farm. By 1980, the average will be about 50 if recent trends continue. And there will be an increasing proportion of herds with 100 or more cows.

"These developments already are apparent in data reported by the census.

"Dairy farming will remain essentially a family operation. Most herds will be in the 50- to 75-cow class. These will be largely family operations, with some hired help."

FACTS ABOUT FARMING

There are instances where the per ton market price of hay has exceeded the price of grain, according to New Holland Division of Sperry Rand.

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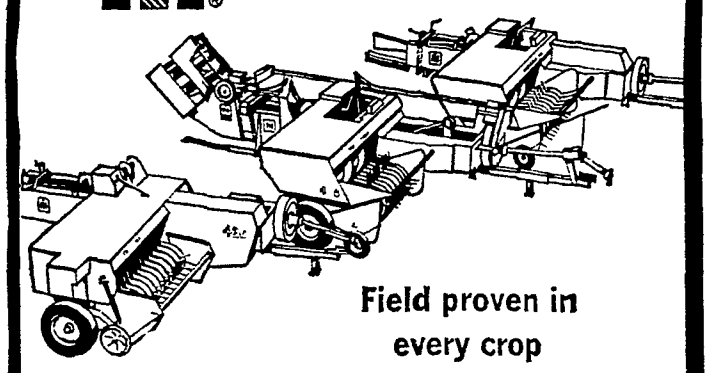

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Farm Women Hit X-Movies at Drive-Ins

At a meeting of the Executive Board of the Society of Farm Women of Lancaster County this week, action was taken against the showing of X-rated movies, which was termed pollution of the mind.

The 30 local presidents will present the recommendation that each member of farm women societies write a personal note to state officials stating her position on the matter and urging legislation The concern as it relates to the rural women is in regard to films shown at drive-in theaters which usually are in rural areas.

Stressing that present laws do not prohibit attendance so long as they are advertised as X-rated, a spokesman pointed out that the problem arising from showing these films at outdoor theaters is in the congregating of cars and young people in adjoining areas to the theater who are viewing the scene without paying admission or hearing the dialogue

The Farm Women will also send letters to outdoor theater managers and will urge the legislative committee of the Pennsylvania Society of Farm Women to include this position on the 1971 resolutions for the State convention in Harrisburg

In other business conducted by Mrs John N Hess, county president, committees were named for the county convention to be held November 7 in the Farm and Home Center The nominating committee includes Mrs Leon Thomas, Society 14, Mrs Ronald Ober, 29, and Mrs Elvin Brown, 13 They will find candidates for treasurer and secretary.

Serving on the ticket committee are Mrs Arthur Landis, Society 19, and Mrs Milton Eberly, 6 Mrs Arthur Wenger, 27, and Mrs Lester Kreider 18, on the Memorial Committee Mrs Melvin Meck, 21, Mrs Paul Kauffman, 4, Mrs Ernest Shaub, 17, and Mrs Wilbur Heller, Bazaar Committee

Miss Ethel Kindig, 12, Mrs Robert Gregory, 3, Mrs Carl Johnson, 15, Mrs Kenneth Martin, 26, Registration Committee

Mrs. Andrew Low, 2 and Mrs Harold Eby, 7, Auditing Committee

Mrs Scott Garman, 1, and Mrs Jack Henderson, 25, Guest Committee Mrs Robert Rohrer, 23, will be in charge of ushers Mrs Lloyd Herr, 22, Mrs William Dean, 28 and Mrs. Donald Horning, 30, Decorating

Societies 19 and 20 are planning to entertain guests at Conestoga View on June 18 On July 16 Society 21 and 22 will visit Society 23 and 24 are scheduled for August 20 visitation, in keeping with the farm women program of visiting the home once each month on the third Thursday

Mrs Hess announced at State level the scrap book contest has been discontinued, but Lancaster County will continue with a scrapbook contest Mrs Lloyd Herr, Lancaster RD6, was named chairman.

In place of the state scrapbook contest there will be a special project to name the Pennsylvania Farm Woman of the Year Details were distributed to local presidents who will inform members concerning requirements for eligibility

The next meeting will be the county picnic and executive board meeting combined to be held at Noon in the Lampeter Community Park Wednesday, August 5

Mrs Elam Hess, Society 20, and Mrs Leo Snader, 24 will serve on the food committee All members of Farm Women Societies and their families are invited to attend with each bringing her own place setting and a covered dish

Serving as hostesses at the Tuesday, June 2 meeting held at Rhoads Spanish Tavern, Quarryville, were Mrs Carl Johnson, Mrs Ernest Shaub, Mrs Esther Musser and Mrs. Melvin Meck. Miss Ethel Kindig led devotions

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So we are now scheduling a Two-Session—

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THE FIRST SESSION is conducted by Mr. Donald B. Conlin, our National Commodity Manager. It's a sophisticated explanation of the prerequisites to commodity trading: The true use of fundamentals in choosing positions; how to design order forms for busy markets; adapting the realities of price control programs to individual needs; what (and what not) to expect from exchange floors and their brokers; the enlightened approach to deliveries, margins, and market regulations.

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We can't make any guarantees, of course. But you should be much better equipped than you were to become a member of that "25% Club."

We're holding these Sessions on —

Tuesdays, June 16 and 23 at 7:30 P.M.
Reynolds Lancaster Office
61 North Duke Street

There is no charge for the Seminar of course But space is limited, so please make your reservations soon. **Simply call Richard Reed at 397-8221,** or mail the coupon below.

Please make reservation(s) for me for your Advanced Commodity Seminar If I attend. I understand I will receive a packet of studies illustrative of fundamental analysis.

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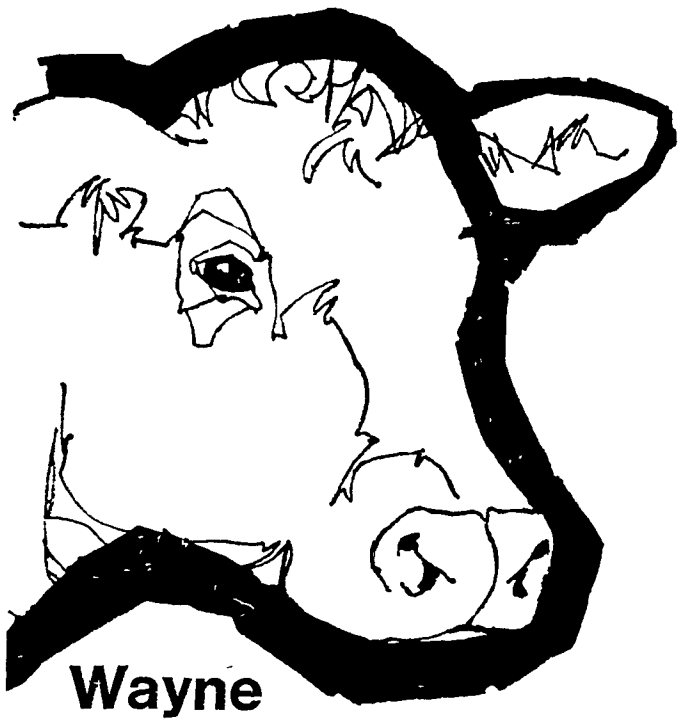

Wayne Sweet Bulky Means More Milk!

Let's face it Milk cow rations aren't always the most appetizing Even though properly supplemented nutritionally, the ingredients are concentrated to get profitable milk production Boost milk output, pep up appetites, add variety and tempting tastiness with Wayne Sweet Bulky Sweet with molasses, bulky with beet pulp, it's fed mixed, top-fed or straight (for cows on high-quality, high-protein legume roughages). *Great* as a dry cow or heifer conditioner. Does a good low-cost job when hot weather dulls appetites or pastures dry up

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● Dairy Month

(Continued from Page 1)

its sponsors chose to hold it from June 12 to July 10

By 1939, it had become June Dairy Month, celebrated on a calendar month basis with a national campaign to promote greater use of the dairy products in such plentiful supply

Today, even though fashions inspired by those of the '30's are back in milady's wardrobe, dairy farming has come a long way from the '30's New knowledge and techniques have affected everything from Bossy's housing to her dinner bucket, making it possible to achieve favorable conditions and high milk production all year long.

Still, June remains Dairy Month It's traditional — and it's logical.

The coming of summer, after all, signals a change in life-style for most of us.

Along with bulky overcoats, we shed a lot of the formality that goes with the "indoor" season Clothing and living pace become a bit more casual — and so does eating

The backyard barbecue replaces dining room suppers while the weather smiles Cooks, who may want time to indulge their swimming or golfing interests, look for easy ways to keep the family well-fed and well-pleased

That's where dairy foods come in They're quick and convenient ready to serve as is — or great ingredients Their own fresh taste complements other foods, adds meal-appeal and nutrition.

June is a good time to call to mind how handily dairy foods fit into a tote-along meal, a fabulous dessert with make-ahead charm, a new specialty for the backyard barbecue — all kinds of carefree cookery.

Happy Dairy Month! Happy summer! Happy eating!

Milk — Wonder Food

"Name me a product that can be pasteurized, homogenized, whipped, churned condensed, dried, frozen, blended and sold That can be innoculated and sold, sold as a beverage, for medical purposes, and as the greatest nutritional food available to mankind " said Roe Stanley president of ADA of Ohio at the Midwest Milk Marketing Meeting in Pittsburgh in April.

Farmers Will Object to Highway Going Through Choice Farmland

The Lancaster County Farmers Association will join various other groups and individuals in appealing to the Pennsylvania Highways Department at a hearing Tuesday not to take choice Class I and II farmland for the new Route 30, according to Ivan Yost, Atglen, an Association representative.

Yost said the Lancaster Association will be joined by the Chester County Farmers Association, the Chester County Soil and Water Conservation District and probably the planning commissions for Chester and Lancaster Counties

Yost said the Lancaster Association will urge that the state take as little of Class I and II land as possible

To do this, he explained, the state could follow the ridge, except possible in the Gap area, for most of the route in the two counties The proposed new four-lane route east of Lancaster and in Chester County would run south of the present Route 30

While some choice farmland would be taken in Lancaster County by the state proposal, much more bottomland is threatened in Chester County, Yost said

He said the hearing is scheduled for 10 30 a m Tuesday at 21st and Herr Streets at the Highway building, Harrisburg.

Monaghan to Speak

The Red Rose 4-H Beef and Lamb Club and the New Holland 4-H Baby Beef Club will hold a joint meeting at 8 p m Wednesday at the Farm and Home Center.

Lancaster Mayor Thomas J Monaghan is scheduled to speak on unrest in Lancaster County

4-H Dairy Judging

Two sessions will be held at local farms to select a team to represent Lancaster County at the State 4-H Days August 10-11 at Penn State.

Victor Plastow, associate county agent, said the team selection will be made at the following practices:

9 a m. Thursday, June 11, the Henry Kettering farm, Lititz RD3.

For those who miss the first session, another one will be held at 9 a m. Tuesday morning, June 16 at the Rohrer Witmer farm, Willow Street RD2.

Youth Asks District OK Of Environment Center

Larry Patton, a freshman at Penn State, asked the Soil and Water Conservation District Wednesday for its endorsement of a proposal to set up a new environment center.

The center would be educational in purpose and would gather and disseminate information to schools in Lancaster County, civic groups and the public in general, Patton said.

Patton, a graduate of Catholic High School in Lancaster, said the organization would be "trying on a small scale to plug into the many groups interested in conservation.

He said the organization is being incorporated with directors and plans a fund drive in July

The District agreed to study the matter. Patton said various other state and local organizations have endorsed the proposal.

It was also reported that the county has had only three fires this Spring, due to a good, wet season and cooperation from local radio stations in presenting fire warnings.

Society 24

Mrs. George Ebersole, 29 Pastry Lane, Leola, demonstrated the art of cake baking during a recent meeting of Society of Farm Women 24 and their guests members of Society 7 and the county officers.

Products of the demonstration were awarded to Mrs Ruth Patton, the guest with the most recent birthday, and Mrs Rebecca Buyers, the guest with the most birthdays

Next meeting of Society 24 will be held June 24 at 1:30 p.m. at the home of Mrs Glenn Shultz, 611 Enfield Drive, Lancaster. Members will tour Wheatland during part of the meeting.

DIFOLATAN® 4 FLOWABLE

The only flowable fungicide made to fight potato blight.

Last year we introduced DIFOLATAN 4 Flowable This year it's the fastest selling potato fungicide on the market

There are a lot of reasons for this One is that DIFOLATAN is the only completely flowable fungicide you can buy That makes it easier to handle There's no dust to bother you when pouring it And because it's flowable, it goes through any nozzle In other words, it won't clog your equipment

And when it comes right to the heart of the matter — fighting blight — ORTHO DIFOLATAN is better than any fungicide being sold today

It gives excellent protection against both early and late blight And is particularly effective against tuber rot

DIFOLATAN sticks to the plant, resists weathering from rain or sprinkler irrigation That means you can maintain your schedule without worrying about the effects of weather or irrigation

Protection against tuber rot is outstanding When you put potatoes in storage, you'll never know how well you did in the blight fight until you've shipped the last of them Fields may look reasonably healthy before harvest, but if you put infected tubers into storage you can find yourself with a costly, heavy cull out of late blight tuber rot infection

DIFOLATAN works to give you greater yields of healthy potatoes And—because it's flowable—it does that even better

The first time you use DIFOLATAN 4 Flowable will be the last time you ever see potato blight

Another good thing about the fastest selling potato fungicide It works on cucumbers, melons, and tomatoes, too

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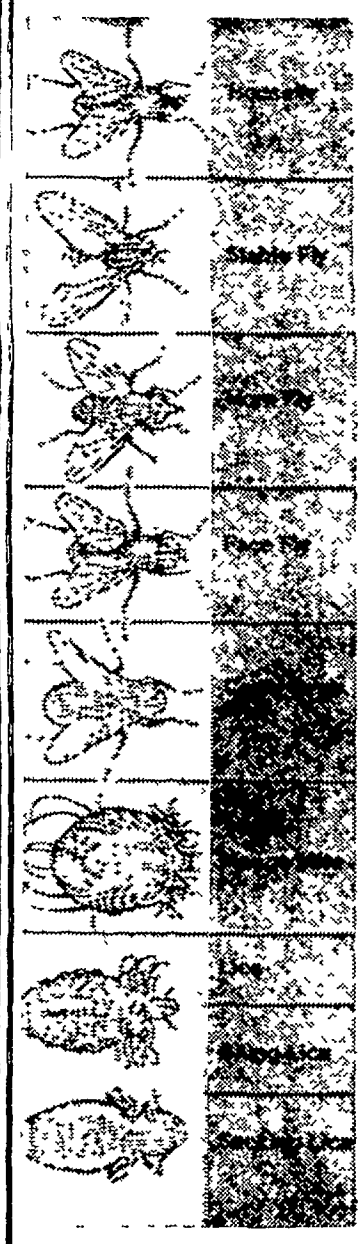
AGWAY

INSECT PESTS OF LIVESTOCK



How much are they costing you?

It's a fact that houseflies are carriers of many livestock diseases, and roundworms and tapeworms, too That horn fly infestations can reduce milk production by as much as 20%. That cattle grubs account for 160 million dollars a year in livestock losses.

AGWAY GUARDIAN PEST CONTROL PROGRAM

Recommended Controls
(first listed is first choice)

Dairy Barns

Residual Sprays: Agway Cygon® 2E, Agway Korlan® 24E or Rabon®

Space Sprays: Agway Dual® Stock Spray or Agway Livestock® Spray

Baits: Agway Sugar Bait Fly Killer, Snip® Fly Bands or Vapona® Sugar Fly Bait

Fumigation: Agway Vapona® Pest Strip

Animal Treatment

Sprays: Agway Dual Stock or Agway Livestock Spray

Dusts: 3% Ciodrin® Dust

Back-Rubber Preparation: Ciodrin® Concentrate or Agway Korlan® 24E

Milkroom

Agway Vapona® Pest Strip or Snip® Fly Band

Animal Treatment

Spray: Ciodrin® Concentrate

Dusts: Agway Louse Powder or 3% Ciodrin® Dust

Pick the right pesticide for the job READ THE LABEL, observe the precautions, and follow the recommendations closely as to dosage, physical coverage of the infested area, number of applications, and placement of the pesticides.

Follow up. One application may not be enough for good control. For example, insect eggs present during a spray may hatch later and give you a whole new population to contend with Watch for what happens after your treatment, and continue the control as the label indicates.

Agway Guardian Pest-Control Program

Your Agway man will help you work out a complete pest-control program. Agway specialists have selected the most effective formulations from among the thousands available. Each product has been thoroughly tested, and passed as effective for its intended use by the Agway Research Department.

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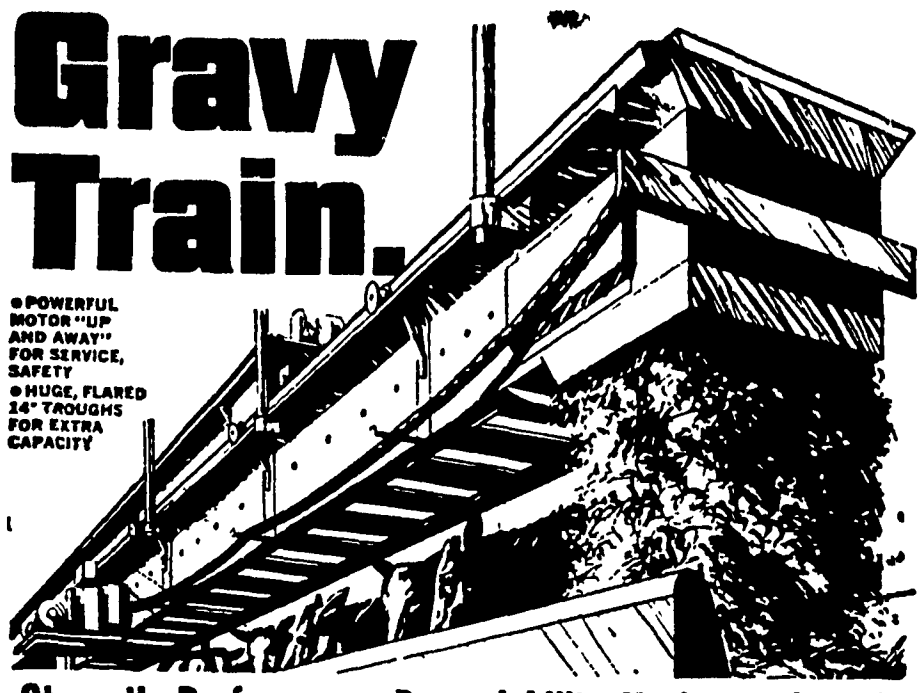

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Van Dale's SCF-1400 is the traveling feeder to put you on the track to faster, more profitable operations. Automatically, it delivers up to 40 tons of silage per hour to bunks on a single chain, continuous "shuttle" service.

Feeder trough chain is No. 67 pintle (12,500 lb. strength) and drive chain is C-550 steel (average top strength of 10,000 lbs.). Interlocking, snap-together galvanized metal components reduce erection time as much as 50%. Suspended or floor-mounted, rails are mounted with Van Dale's exclusive clip-on brackets to provide extra-rigid support. Unit adapts to any feeding need in-barn or out-of-doors.

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VAN DALE

Garden Spot Senior Wins Poultry Award

Nelson E Weaver, a Garden Spot High School senior, was named recipient of the first Poultryman of the Year award at the school's assembly Thursday by Victor F Weaver, Inc, New Holland

Weaver, son of Mr and Mrs John M Weaver, New Holland RD1, received the $200 dollar cash award for outstanding achievement in the poultry field.

He was President of the Grassland Chapter of FFA during the 1969-70 term and was a recipient of the Star Farmer award in 1969.

In an essay prepared for award competition, Weaver said, "We may be heading for a 'big bust' in both egg and broiler prices The future, however, undoubtedly holds many further technological changes and advancements The poultryman who survives will be the one who takes advantage of these advancements"

"Poultryman — Excellent Achievement" awards were also presented to four qualifying students representing each high school entering the award competition The winners of these awards are Ronald Zimmerman, son of Mr and Mrs John M Zimmerman, Narvon, Garden Spot High School, Fred E Miller, son of Mr and Mrs Claude D Miller, Conestoga, Penn Manor High School, Michael Herr, son of Mr and Mrs Melvin G Herr, Lititz, Warwick High School, and Clair Witwer, son of Mr and Mrs Roy V Witwer, Lancaster, Lampeter-Strasburg High School.

The award winners were judged on their involvement in personal and family enterprises, scholastic achievement, FFA, school and community leadership and an essay pertaining to the importance of the poultry industry in the world's food market.

A committee composed of two vocational-agriculture teachers representing schools not having applicants and a Lancaster farm agent judged the application

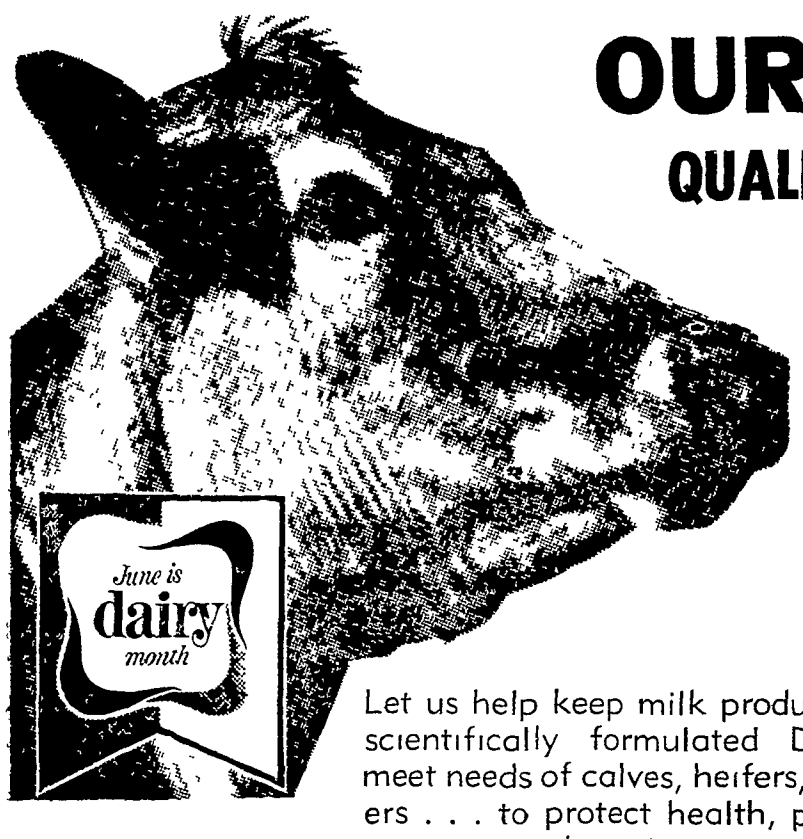
Milk Use Rises in 15 Areas, Down Overall

Per capita consumption of fluid milk products (in terms of milk equivalent) was generally lower during 1969, the USDA reported last week Over-all, it was down from 1968 in 45 of 60 markets, up in 15 markets

But, per capita consumption of low-fat and skim milk products was up from a year earlier in 55 markets, unchanged in two others, and down in only four markets Per capita consumption of whole milk items, on the other hand, was down in 48 markets, up in only 13

Data on total per capita consumption of fluid milk products is available on only 60 areas (unavailable for New York-New Jersey), but the low-fat and skim and whole milk data is available for all 61 areas

HER JOB
BETTER MILK PRODUCTION



OUR JOB
QUALITY FEEDS

Let us help keep milk production high with scientifically formulated Dairy Feeds to meet needs of calves, heifers, dry cows, milkers . . . to protect health, promote growth, increase productivity.

We Salute the Dairy Farmer

RELIABLE FLORIN FEEDS

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REACH FOR THE SIRES AT THE TOP A

ATLANTIC GENETIC POWER PROFIT-MAKER SIRES

Top Production Transmitters Now In Service At Economical Fees

(May/70 USDA summaries) Sire	No. Daus.	Pred. Dif. Milk	Fat
15H96 Performer—VG & PQ	383	+1 336	+24
15H114 Jack—VG & GM	115	+1 064	+ 4
26H77 Clarion—GP & PQ	117	+989	+ 5
15H103 Ivanhoe Star—VG & PQ	750	+946	+36
8H62 Topper—EX & PQ	60	+876	+23
15H70 Flashy Boy—EX & PQ	594	+836	+30
15H62 Apollo—VG & GM	721	+803	+35
15H87 Jerry—EX & PQ	2,427	+742	+ 2
26H81 Medalist—VG & PQ	103	+697	+12
15H100 Mookown—VG & PQ	362	+693	+ 9
15H95 Sensation—EX & PQ	482	+606	+14
15H121 Bonus—VG & GM	32	+558	+18
15H106 Hector—GP & PQ	1,034	+544	+28
15G105 Halyard	25	+407	+21
1G107 Jupiter—GS	18	+351	+15
15G94 Bonanza—GS	338	+291	+11
4G525 Prince	57	+225	+17
1J110 Kelly—VG & GM	22	+540	+20
15J46 Wairspite—EX & SM	28	+283	+18
15A31 Grand Fortune—VG & DA	23	+433	+10
15S116 Chip—VG & Sup	15	+547	+24

This is just a sampling of our daily selection!
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Quarryville 786-7381 Mount Joy 653-1451
Akron 859-2552 East Earl 445-4131 Gap 442-4471

Sale Register

SAT JUNE 6—10 30 A M Public Sale of Real Estate and Personal Property including a lot of antiques located along Silver Mine Road 8 mi S of Lancaster 1 mi N of Martinville, just off Rt 324, Pequea Twp Sale by Barbara W Miller, Estate

TUES EVE JUNE 9—6 30 Habbenfield Dispersal just off Rte 15 at Bath, N Y

WED JUNE 10—9 A M Public Sale of Farm Equipment and Implements Martin's Sale Barn Blue Ball Pa We sell on Commission, Paul Z Martin

THURS EVE JUNE 11 — 7 30 Valley View Farms Dispersal Rte 19 between Scio and Belmont 5 mi from Wellsville, and 15 from Genesee Potter Co Pa

THURS JUNE 11—11 A M. Tory Hill Corp Sale at the Guernsey Sale barn located 6 miles east of Lancaster Pa on Rte 30 Sale by Tory Hill Corp Owners Lakeville, Conn

SAT JUNE 12—11 A M Public Sale of Old Antique Bottles and Household Goods, located 12 miles south of Lancaster off Route 222 at New Providence across from Mennonite Church Sale by Roy C Johnson

FRI JUNE 12—8 P M Public Auction of 100 Reg and Top Grade Holstein Dairy Cattle to be held in the dairy barn arena at the Aberdeen Sales Company in Churchville, Harford Co, Md located on Md Rt 22, 6 mi east of Bel Air, Md and 6 mi west of Aberdeen Md Sale by Aberdeen Sales Co

FRI JUNE 12—Complete Holstein Herd Dispersal of 30 head to be sold at the Green Dragon Livestock Auction Herd consigned by Glenn Fite, Owner

SAT JUNE 13—11 A M Public Sale of old antique bottles and household goods located 12 miles South of Lancaster off Rt 222 at New Providence across from Mennonite Church Sale by Roy C Johnson

MON EVE JUNE 15—Martin's Sale Stables, Blue Ball, Pa Special pony sale Tack at 5 p.m Ponies at 6 P M Sale by Paul Z Martin Ph (717) 354-6671

FRI JUNE 19—12 30 Sharp Annual Early Summer Holstein Sale on the Carl Diller farm along Rt 22, 7 miles S of Lancaster, Pa Sale information available through John J Stoltzfus, Elverson or Carl Diller, 2112 S View Road, Lancaster, Pa

● Farm Calendar

(Continued from Page 6)

Marketing Association, Schrafft's Restaurant, New Cumberland (Harrisburg West).

7 30 p m — Farm Women Society 13, home of Mrs William Schroeder, Witmer.

8 00 p m — Final Dairy Princess Committee meeting, Farm and Home Center

Delmarva Chicken Festival, second National Chicken Cooking contest, Princess Ann, Maryland June 12 and 13

Saturday, June 13

12 30 p m — Farm Women Society 25, home of Mrs Samuel Goss, 352 N George St, Millersville

FACTS ABOUT FARMING

In 1940 a family could select from about 1,000 food items Today the average supermarket has 8 000 — many of which were not even available 10 years ago

FACTS ABOUT FARMING

Farm output per man hour is now 60 per cent higher than at the start of the '60s, according to New Holland, the farm equipment division of Sperry Rand

A DAIRY QUEEN -- IN DAIRY MONTH

There's nothing like the real thing — real milk from real cows

A REAL COW -- BY -- A REAL SIRE

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WALHOWDON PRESIDENT VERNON

Excellent, Production Qualified 5/70

USDA SUMMARY, MAY, 1970

85 dtrs, 44 herds	17028	3.71	632
Pred Diff (Rpty 75%)	- 833		+28

HFA Type, January, 1970

36 dtrs avg 79.0, 99.7%BAA, -.95/Exp.

VLAV daughters are significantly above breed average in stature as well as in udder support and floors An example of their potential may be seen in the Charles Ashley herd of West Chazy, New York where 9 dtrs were recently classified with 3 VG and 6 GP for an overall average of 83 9

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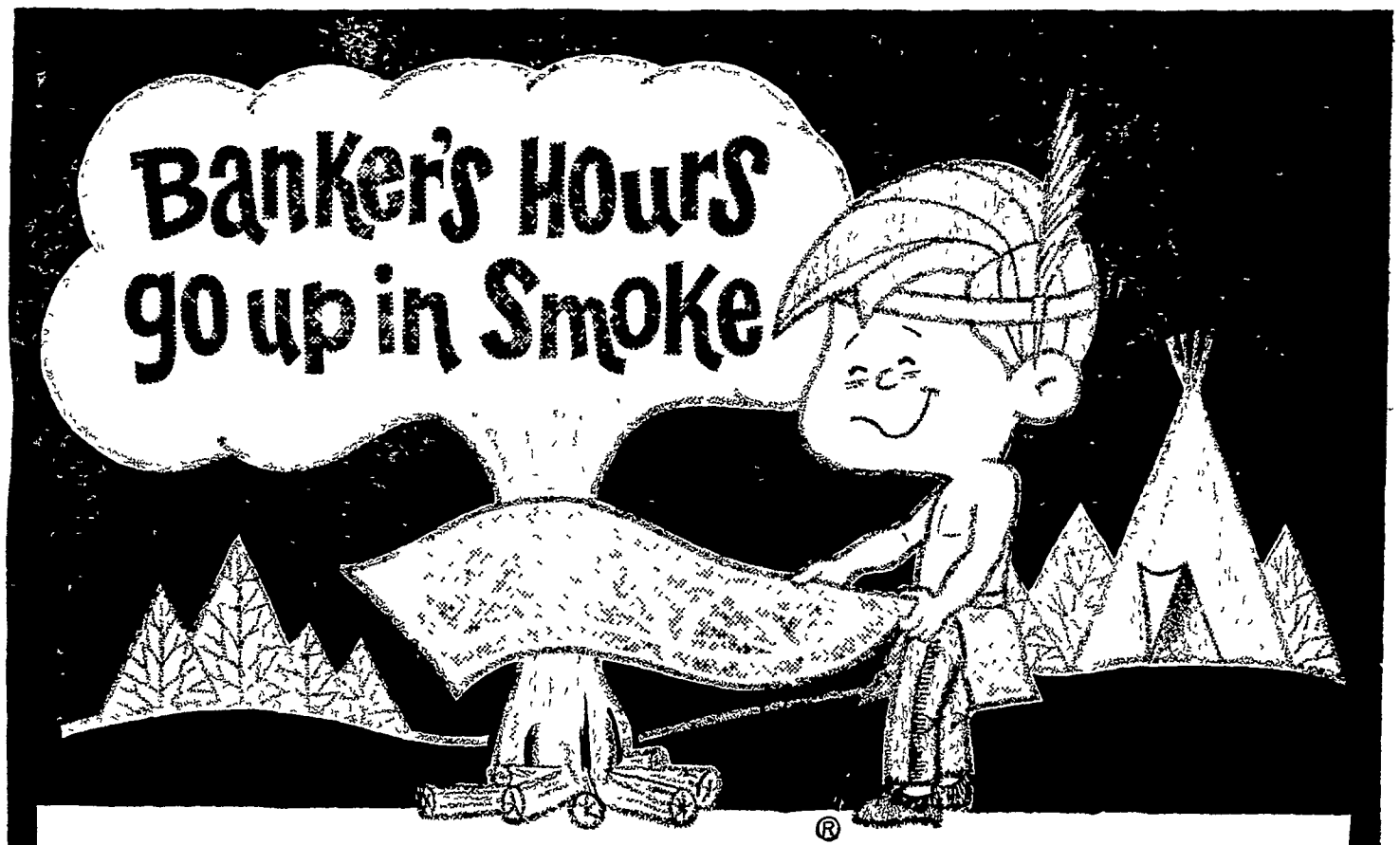

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Now you can visit any Fulton office after work, to make deposits or withdrawals from your savings or checking accounts, make Club payments, make loan payments, or ask about any kind of Fulton loan. Extra hours are another 'service-extra' Fulton customers have come to expect.

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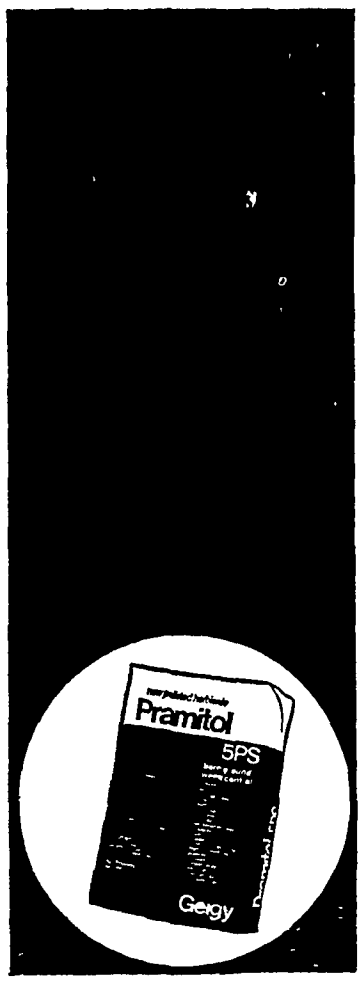

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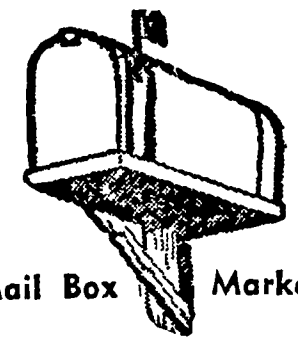
Sale Register

JUNE 30—Levi W Mast Clay Pa., Berks Co Registered Holstein Disp See later ad

MON EVE JULY 13—Martins Sale Stables, Blue Ball, Pa Special Sale of Kentucky Saddle Horses Sale by Paul Z Martin Ph (717) 354 6671

MON AUG 24—Shalco Collpssal Vacation Sale Minatare, Nebraska.



Mail Box Market

Wanted—Tobacco shed to dismantle Size size and condition Write to John S Nolt, RD1, Box 403, New Holland, Pa

For Sale—24' riding mower in good condition, see it to appreciate it We do pea shelling Floyd H Ranck Phone 442-4949

Bring your peas to us, we will hull and wash them, ready for your freezer Raymond Miller, Elizabethtown RD3, Phone 665-4188

For Sale—JD 7 ft =8 grass mower in good condition, Oliver haylake Priced to sell 215 445-6453.

For Sale—2 10 x 10 ft overhead garage doors Also 1-12 ft McCormick Deering spring harrow Phone 665 2962

Mail Box Market

For Sale — Purebred Yorkshire boars, bred gilts and open gilts Carcass championship bloodlines Willow Glen Farm, R D 1, Strasburg, Pa. Ph AC 717-786-2562.

Mail Box Market

For Rent—A very nice apartment with 5 rooms and bath near East Petersburg to a person who would be willing to feed steer sometimes Call 898 7460 for an appointment

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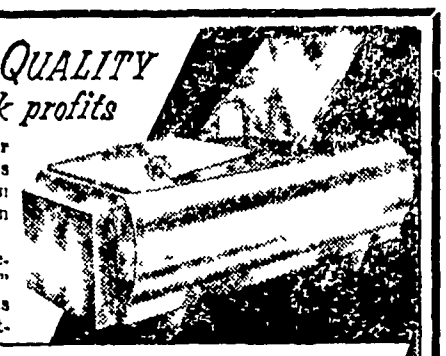
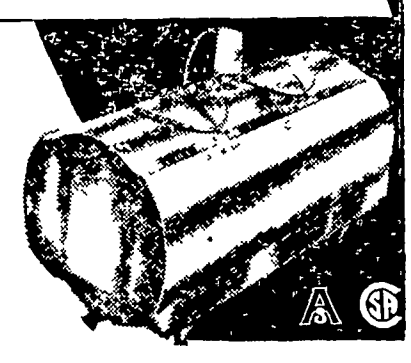
Ask about our economy model "R" series



MUELLER bulk milk tanks



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Sale Register

Tues. Eve, June 9th at 6:30, Habberfield Dispersal, just off Rte 15 at Bath, N Y Farm sold, selling 111 top, home-raised, interstate-tested Holsteins, many purebreds, some Registered, and sired by two good bulls — one from the "Ketch-Krest" herd at Bath, and one, a "Skyliner" son out of a Penna State Champion cow, owned by Karl Kennedy!! 3 IH tractors, new IH 440 baler w/thrower, 550 2-row chopper, 2-row picker, 6 wagons (s.u., bale boxes, flat beds), new AC 72 combine, NH Haybine, all other machinery, Pr sorrel Belgian draft horses (coming 2 and 5 years old! and very nice!). Auction by Rumsey's — 226 Liberty St, Bath, N.Y. (607-776-3478) Write for full listing mailed you!

Thurs. Eve, June 11th at 7:30, Valley View Farms Dispersal, Rte 19, between Scio and Belmont, 5 mi. from Wellsville, and 15 from Genesee, Potter Co, Pa Selling 55 beef-breed feeders (Herefords, Charolais, and crossbreeds), 2 IH tractors, NH 256 rake and 404 crusher, silage distributor, Case 14' transport disc, Ford 16' drag, IH 4-row planter, 2 JD Chuck wagons, JD 14T ejector baler, IH 2-row 50 corn chopper w/pickup, Farmec silo unloader, etc — a very good line of new or like-new equipment. Send for full listing mailed you, write Rumseys' — 226 Liberty St, Bath, N Y (607-776-3478)

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AT THE
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LIVESTOCK
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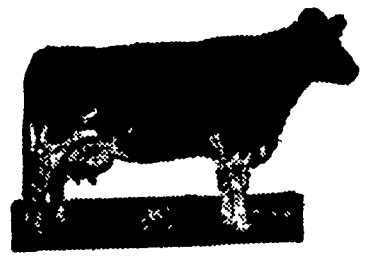

30 HEAD

This herd consists of good, big, sharp, young dairy cattle. Fresh and close springers. Fourteen second and third calve cows due July and August. Six from Sept. to Nov. Farmers, this is a base making dairy with quality and size to suit any buyer. Sold only because farm is sold. If you want good cows plan to attend this sale.

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Tractors, Machinery, Implements, Hardware, equipment, posts, hay, straw, scaffolding 4 x 4 x 18, lot of other lumber. Gates — wood, wire, steel and alum Ford tractor 4000 Industrial with backhoe and scoop Antique buggies and wagons We sell on commission

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Last sale for the year, Wed., Aug. 19, 1970.

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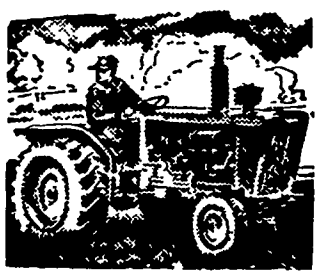

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Haybine — $675.00

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All types of farm machinery.
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  DAY OLD AND STARTED PULLETS
  LEUKOSIS RESISTANT—GIVE THEM A TRY!
- WHITE MOUNTAIN CROSS BROILER CHICKS
  BROILER CHICKS WITH TOP PERFORMANCE

Introducing . . . THE B-305

Q: How does the B-305 compare with the B-300 on body weight?

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Where in the World is Babcock? . . .
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MUSSER'S M-327 CHICKS

The breed of 2 separate lines of Musser Leghorns, which when crossed, produced the sturdy M-327 Leghorn chick that you have been hoping for.

Why?

Because Musser's M-327 Chicks have . . . .

1. Coccidiosis under control to the extent that you seldom have a minor outbreak of Coccidiosis
2. A consistent low level mortality rate, while contending with the highly publicized leukosis (Marek's) disease
3. The mortality and the rate of lay so satisfactory that you can be assured of a yearling capable of showing a profitable second year.

FOR COMPLETE INFORMATION CALL COLLECT

MUSSER LEGHORN FARMS

Box 116, Mount Joy, Pa. **Phone 653-4911**

1916 — 54 Years — 1970

● Eight Enter

(Continued from Page 1)

New Providence RD1 from a Holstein Dairy Farm Miss Krantz's numerous school activities include the Art Club, the Spanish Club the Equestrian Club FFA yearbook staff, Guidance Editor of the school newspaper, and a YWCA Senior Life Guard Her community activities include the Lancaster County Holstein 4-H Club, the Lampeter Strasburg 4-H Mermaids, and the New Providence Mennonite Youth Group

Miss Donna Hess, 18, a recent graduate of Lampeter Strasburg High School is the daughter of Mr and Mrs Elvin Hess Jr Their Holstein Farm is located at Strasburg RD1 Miss Hess participated in the Student Council, the Future Business Leaders of America the Varsity Club and the Safety League She is also a member of the Lancaster County 4-H Holstein Club the Lancaster County 4-H Baby Beef Club and her Church Youth Group

Miss Linda Kreider 17 is the daughter of Mr and Mrs J Evere Kreider who own a Holstein Dairy Farm at Quarryville RD1 A recent graduate of Solanco High School she was active in the Future Homemakers Club the High School musical, Student Council band and chorus

Miss Nanette Stauffer 17, of the Sunny Craft Holstein Farm, Ephrata RD1, is the daughter of Mr and Mrs Clarence Stauffer Also a recent graduate, Miss Stauffer attended Ephrata High School where she participated in the Gym Club, yearbook staff and hockey team She is also a member of the Lancaster County 4-H Holstein Club, the Hopeland Church Youth Fellowship where she is a Sunday School teacher, and a swim instructor at the Ephrata Community pool

Miss Charlene Smoker, a 17 year-old graduate of Ephrata High School, resides on a Holstein Dairy Farm at Stevens RD1 She is the daughter of Mr and Mrs Earl Smoker Her school activities were Future Business Leaders Club Future Homemakers of America Club, and typist for the school newspaper She is also a member of the Akron Mennonite Church

Miss Lois Gruber who will be a senior at Elizabethtown Area High School, participates in the Future Homemakers of America Club and the Elizabethtown Girls Quartet The 17-year old resides on a Holstein Dairy Farm with her parents, Mr and Mrs Menno Gruber Bainbridge RD1

● We Begin

(Continued from Page 1)

outstanding purebred Holstein at $650

One load of New York State cows mostly springers, $365 to $525 each

Local fresh cows, $300 to $500 each

Open heifers sold for $160 to $225 two stock bulls brought $267 50 and $312 50

Hay Market

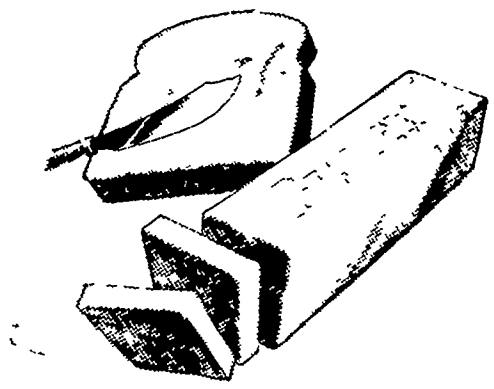
Fifteen loads of hay included alfalfa, one load, $26 timothy, few loads, $26 to $28 mixed hay $25 to $33, one load $41 clover, one load, $38

Six loads of straw, $37 to $44 Ear corn one load, $37

Strawberry Round-Up

The 4-H Strawberry Round-Up will be held at 10 a m Wednesday at the Holiday Inn, Lancaster with judging to be finished by 12 noon

The 4-H youths will be guests of the Lancaster Rotary Club at a noon luncheon at the Holiday Inn banquet room



SOME THOUGHTS FOR...

DAIRY FARMERS!

- Did you do all you could to help promote your industry in the past year?
- Do you talk milk to consumers?
- Do you explain its many nutritional advantages?
- Do you set the example when you take your family out for a meal and order milk as the beverage?
- Do you have the feeding program which gives you the best return per dollar spent?

If you are in doubt about this last item talk to our Nutrition Department or our Dairy Specialist.

What else can we do to help you? — Just call

GREEN PASTURES LIVE STOCK FEEDS

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To Survive in the Space Age 70's Gartley Says:

Farmers Must Study Consumers

By Boyd C. Gartley
Public Relations Director
Inter-State Milk Producers

Starting when Christ was born, it took man 1750 years to double the meager amount of technology known From 1750 to 1900, a period of 150 years, information known to man about the world in which he lived doubled, from 1950 to 1960, the amount of technology known doubled; from 1960 to 1967, it doubled again

I am told, that in the future, each time period of five to seven years, the amount of new information will double

It becomes imperative for man to continue his education throughout his lifetime, it is impossible for one man to know everything

I urge you to use the "team" approach in your farming operation — this is necessary for the survival of American agriculture

Let's take a moment and picture your life as it was 10 years ago today. Can you remember what you ate, what the newscasters talked about, or the cut of your clothes? It is very possible that on this day 10 years ago:

You had yet to ride in a jet plane, but had already taken your last inner city bus ride

You had not yet bought your wife a wig, your child a hula hoop or yourself a riding lawn mower, or had an electric toothbrush or can opener in your home

You had probably decided that the scientists' talk of transplanting human organs or putting a man on the moon was possible, but that it wouldn't happen before the beginning of the next century

You had not yet uttered the words hippy, LSD, Cybernetics, Fortran, Apegee or used the words pot, fuzz, speed, or grass in their new meanings

You considered the autumn haze of burning leaves as part of the pleasant nostalgia of Indian summer instead of as nasty air pollution caused by thermal inversion

The past decade has been a period of remarkable change in almost all areas of civilized human activity and thought In our own society, there have been startling changes in income education, living styles, social and moral values All in turn have had a significant impact on food patterns—in shopping, in preparing and serving

Americans ate better in the 60's than ever before Overall food consumption per capita remained remarkably stable while food consumption patterns changed significantly There have been considerable shifts between certain broad food products and even within some broad food groups Packaging and form have certainly been effected

Think back to 10 years ago today It is almost certain that on that day

You had not yet tasted turkey in a roll, freeze dried coffee, instant potatoes, liquid diet food or a flavorful diet soft drink

You had yet to taste and really like imitation cream for coffee or imitation frozen pre-whipped cream that tasted as good if not better than the real things

On that day, you probably had not yet used sugar substitutes, opened a can with your finger and a pull ring

Or eaten food fried in a greaseless, teflon pan, frozen vegetables cooked in a plastic bag or frozen waffles that popped out of a toaster

Market segmentation has been one of the major marketing phenomena of the decade Its application is most evident in the consumption of food products

If I had a crystal ball and would do as other prognosticators have done in the past to foresee all the drastic changes that will take place in the processing, handling and distribution of milk, I could paraphrase, as some have done, as we gaze into the future let's say 35 years from now

Someone has predicted that the homemaker will choose her foods from display samples and purchase them by insertion of a credit card into a reading device Her articles will be conveniently packaged and ready for her to pick up as she leaves the store. Most of her food purchases will have been processed for convenience, including complete meals prepared to gourmet standards.

If I were to hazard a guess as to the accuracy of this type of prediction I would say that in all likelihood men of the future will find that they were conservative and unimaginative

If past experience is any criterion, we will fall short of making a reasonably good estimate of the state of agricultural and marketing technology of the future

No one had the foresight to predict the many changes that have taken place in the past 10 years No one can predict all the changes we will encounter in the next decade however, some trends are evident

For farmers, the Space Age 70's will require a market orientation

A market-oriented approach involves going into the marketplace to determine what the consumer needs, wants or desires—then someone must translate these consumer needs or desires into products and marketing programs that enable them to earn profit

This approach is consumer oriented as it reflects the desire or

(Continued on Page 20)

The world, including agriculture, is caught up in a wave of new technology and know-how which rapidly makes established products and ideas obsolete

In this new Space Age, agriculture must change its emphasis from production to marketing, from product research to consumer research, warns Boyd C Gartley, member and public relations director of Inter State Milk Producers Cooperative

This new consumer-marketing emphasis is necessary for farmers and agri-businesses to survive in the Space Age, Gartley explains in the accompanying article

Lancaster Farming

SECOND SECTION

Dairymen Must Strengthen Operations, Official Says

Strengthen the family dairy farm operations recommends Roy H Giesmann, county supervisor of the Farmers Home Administration, USDA

"The total number of farms in Lancaster County dropped from 7,053 to 5 560 in the past decade The number of dairy farms in the County is now below 1,600," Giesmann said

Giesmann explained that although the over-all production of dairy products has been maintained with fewer dairy farms it does not compare favorably with the tremendous increase in industrial products output in the county

The industrial and population explosion in the county has drastically changed the balance of business and agriculture in the Garden Spot County of Pennsylvania, he said

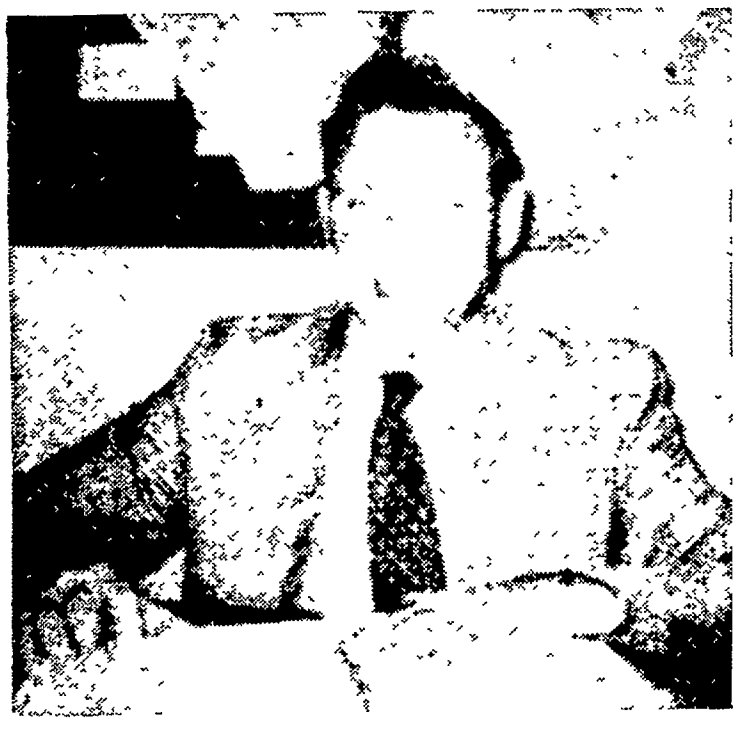
The Farmers Home Administration Supervisor suggested strengthening the family farms by reorganization of the operation, increase in size and efficiency, better livestock and machinery, up-dating management practices and planning in detail

"The dairy farmer can no longer afford to mark time He must move forward," said Giesmann

The Farmers Home Administration is working closely with private credit sources in developing financial backing for family farmers

When sufficient local credit is not available Giesmann said that longterm credit may be available through his office

He invites dairy farmers and others to see him at the Farm and Home Center, 1383 Arcadia Road, Lancaster



Roy H Giesmann, County supervisor of the Farmers Home Administration, this week urged local dairymen to become bigger and more efficient in order to compete in the changing Lancaster County economy.

Pennsylvania Leading Guernsey State in '69

Pennsylvania was the leading state in the nation in 1969 in Guernsey registrations and transfers, as well as the leading Golden Guernsey milk sales territory, according to the May 7 edition of Guernsey Breeders' Journal

In registrations, Pennsylvania led with 5 216, followed by Wisconsin with 4,455 and Ohio's distant third of 2,933

In transfers, Pennsylvania was first with 2,652, followed by Wisconsin with 1,762 and North Carolina 1,330

Pennsylvania was the leading Golden Guernsey territory with 31,975.295 quarts sold, edging out California with 30.074 542 and third place "Southwest" with 23,002,657

But while Golden Guernsey sales dropped eight per cent in 1969 Gurnzgold sales climbed eight per cent

Accounting for most of the Guernsey milk sales by percentage were Gurnzgold, 40 2 per cent Golden Guernsey, 36 33 per cent, Guernsey Royal, 17 15 per cent, and Gurnzskim, 5 54 per cent

Three Pennsylvania firms were among the 25 largest Golden Guernsey distributors in 1969 Country Belle Co-op Farmers, sixth Abbotts Dairies, eleventh, and East Malta Dairy Farms twenty-second

Penn State Specialist Sees Good Future for Dairying in Northeast

During the 1970's, Pennsylvania and the other Northeastern States will continue to be an important dairy region because the need for fluid milk by the nearby urban population should keep dairying more profitable than other farm enterprises, according to a Penn State extension farm management specialist

Dr Samuel A Dum said, "Production wise, the Commonwealth now supplies 30 per cent of the Northeast's milk and is in a favorable resource position to continue to supply this or a greater share"

Pennsylvania dairy herds have lagged behind the Northeast average in output per cow and in number of cows per farm, the Penn State professor emphasized This would imply room for continued improvements in production efficiency and potential for an increase in average income per dairy farm

For the most part, farmers will need to expand production in order to keep income in line with expenses, he added Farm milk prices will not increase much in the near future and off-farm opportunities will continue to compete for labor. Dairymen who take advantage of efficiencies through mechanization and improved technologies will be able to compete for capital and physical resources.

"The dairy industry must be concerned with the continuing decline in the per capita consumption of dairy products," Dr Dum said "Competition from other products is severe, but the dairy industry must meet it"

Farm business studies show that many Pennsylvania dairymen have been able to obtain high incomes and competitive returns on investment in recent years The better managers will continue to do so in the years ahead, the farm management specialist noted.

Monday Is Deadline

About 80 Lancaster County farmers who are enrolled in the 1970 wheat program still have not certified their wheat and diverted acreage, Miss Dorothy Neel, ASCS county executive director, noted this week

She reminded that such certification is necessary to earn payments Final date for the certification is Monday, June 8.

Across the Editor's Desk

The March April edition of Registered Holstein News carried a picture of Mowery Frey Jr of Lancaster with visitors from Turkey who were touring the U S to observe U S livestock as part of plans to upgrade Turkey's animal agriculture Pictured with Frey were Osman Ozbek, Yusuf Durusoy, Dr Mustafa Durusov and Dr Hasan Ertan

Stamps Promote Milk

An easy attractive way for farmmen to actively promote milk

Those words probably best explain the tremendous response and interest generated by Surge Milk Stamps Babson Bros Co estimates that more than 2 000 000 letters carried the words Milk Good with Anything in the last 12 months

Following up on this acceptance Babson Bros Co and their network of Surge Dealers have distributed more than 100 000 new 1970 Surge Milk Stamp Folders

The folder promises Home Run Power in every glass of milk and the 21 colorful stamps advise "Add Milk Power to Every Meal"

The stamps point out that milk is an important part of every meal and a source of energy for today's active sports minded generation

In keeping with Babson Bros Co's efforts to help promote milk through advertisements free posters and milk stamps the 1970 Surge Milk Stamp Folder is available free from Surge Dealers or by writing to Babson Bros Co , 2100 So York Road, Oak Brook, Illinois 60521

Advice to dairymen from Hoard's Dairyman by Dr J L & John W McKitrick

Are you letting people know that you have foundation cows and/or replacement heifers for sale?

If you have purebred cattle for sale, be sure to let your breed fieldman or association secretary know it You might consider doing some advertising either locally, nationally, or both The quality of your cattle and drawing power of your herd will dicate which is most feasible

The farm page in your local paper or magazine is a good place to let people know that you have grade or commercial dairy cows for sale

If you have more dairy cattle than you can care for properly, don't miss this chance to cash in on your surplus Many, many farms have cows" running out of their ears" so to speak.

Now may be the time to cut your herd down to a workable unit a size the barns were built to handle You even may net more dollars milking fewer cows by caring for them better.

Buyers are not paying extremely high prices for cows Cows are not that hard to buy But, the prices are up from a year ago

We think the following comments by Boyd Gartley, public relations director, Inter State Milk Producers Cooperative, are worth passing along

To date, substitute products have not displaced a large share of the market for fluid milk High prices for milkfat, however, have contributed to the loss of butter markets to margarine, cream to coffee whiteners and substitute toppings and ice cream to mellorine

Fluid milk substitutes now or potentially available include filled milk in which vegetable fats have replaced milkfat and completely imitation or synthetic milktype beverages The nondairy products may contain none of the major milk components and may or may not be equal to milk nutritionally

The introduction of filled milk, its rapid sales growth in at least one typical market and its potential for growth in other markets, and the potential of

(Continued on Page 29)

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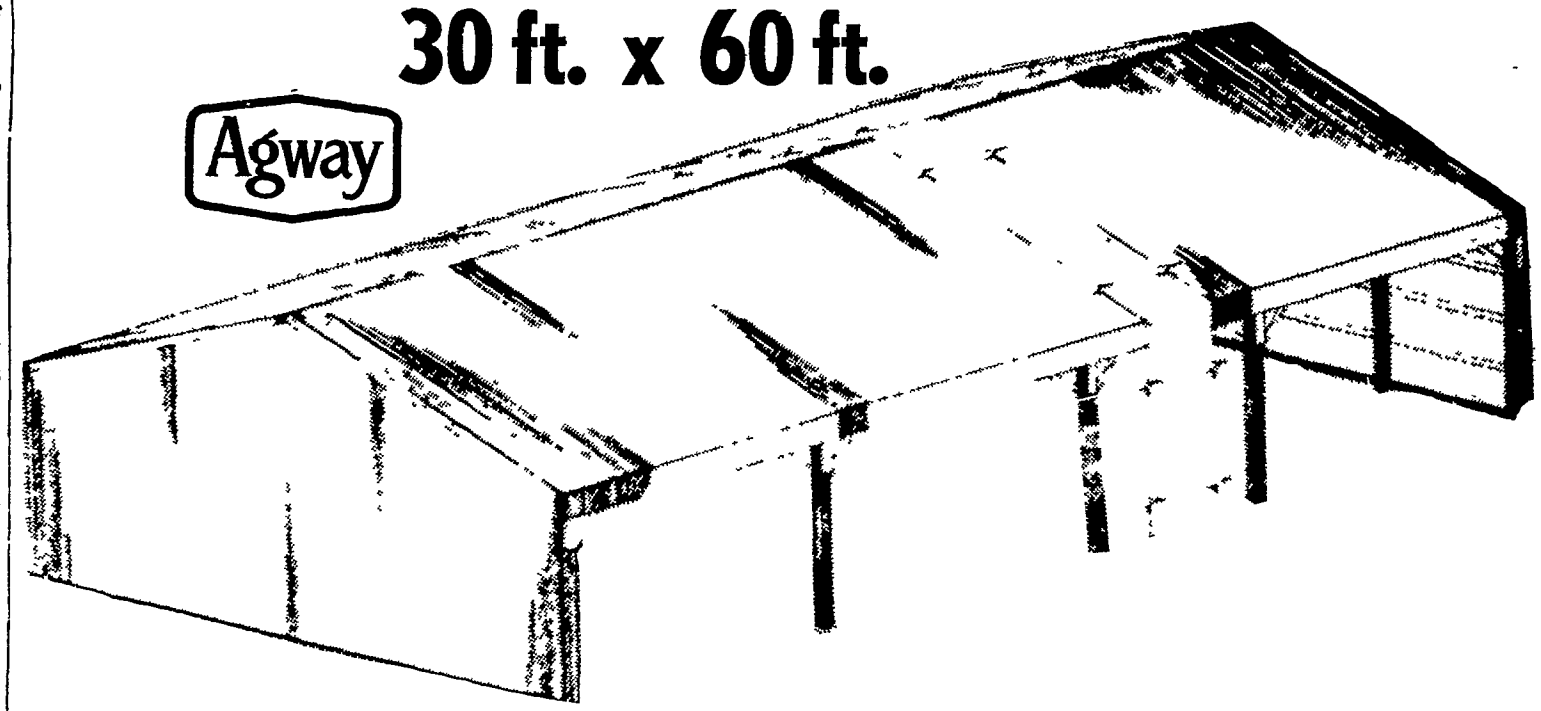

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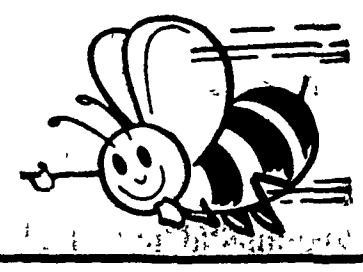

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A Peek at the Dairy Breeds

Holstein Friesians are the big black and white cows

If dairy cattle were one big corporation, the Holsteins would hold controlling interest and then some

About 80 per cent of U S dairy cattle, registered and grade, wear those black and white markings Not bad for a breed which had two inauspicious tries at immigration to this country before finally making it

Holsteins probably came with the Dutch to New Amsterdam But the early arrivals (human), distracted no doubt by the rigors of getting settled, neglected to keep the cattle bloodlines pure, and those first Holstein-Friesians had no lasting effect on the development of the new nation's herds

Then, in the 1850's, a Massachusetts man imported some of the black and whites But the Commonwealth of Massachusetts ordered them destroyed during an outbreak of animal illness

Undaunted, the New Englander imported more in 1861 Today black and white cows produce roughly 85 per cent of the nation's milk — a real success story for the Holsteins'

The other breeds were immigrants, too, and their names are tip-offs to their homelands — as with those aptly dubbed Brown Swiss.

A short historical footnote on their importation to these shores one of the first bulls to arrive wore the proud Swiss name of William Tell, no less

Brown Swiss were the ones being addressed in the immortal line, "How now, brown cow" They're dark brown, in between brown or light brown — all over

County Ayr, Scotland, is where Ayrshires first were bred

Ayrshires are mottled red and white in varying proportions

Milking Shorthorns is that breed's real name but they were known as Durham cattle for some time in this country because Durham, in Yorkshire England, had become a center for the breed

Milking Shorthorns can be red, roan or white — they look more like beef cattle than the other dairy breeds — and are, indeed, a dual purpose breed

Jerseys hail from the English Channel Island of Jersey, as might be guessed

Monks on another, the Isle of Guernsey, crossbred two famed French dairy types to produce their own A visiting Yankee sea captain bought a pair to take home to his brother in New Hampshire By coincidence, the brother farmed on another island which soon became known as Cow Island The title has become formalized to Guernsey Island, courtesy of an act of the state legislature

So, if your travels ever take you to the Northeast you may come across both the breed and the island named after them Once coming full circle when you consider that the first Guernseys were named after an island!

Fawn and white means Guernsey Unless the cow has a black muzzle with a light ring around it — then it's a Jersey

Jerseys can also be all fawn without the white markings — keep your eye on the muzzles

American Cheese?

"American Cheese" has English ancestry

It's really Cheddar, first made in this country soon after 1620 by the Pilgrims The English called it Yankee Cheddar to differentiate between it and their homemade variety

American cheese has also been called, among other names yellow cheese store cheese, Herkimer County Cheese and — most American of all — apple pie cheese

Incidentally, the town of Cheddar in England no longer produces cheese

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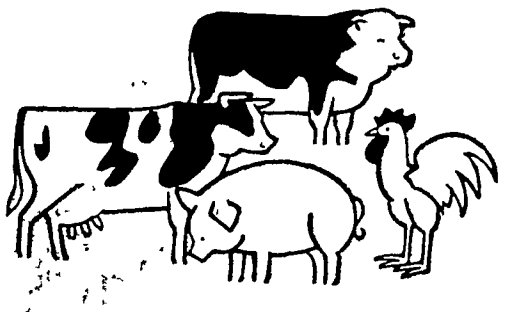

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Farmers Must Study Consumers

(Continued from Page 17)

whims of consumers to dictate what products and/or services they desire The consumer may be a housewife, a retailer, a wholesaler or an American farmer

A research and development orientation approach has been outdated It has been defined as being basically production oriented. Some may define it as being pure research Product development begins with research and development with little or no guidance by consumers

This approach serves its purpose in that new products are created, but how successful will they be once they are manufactured and enter the marketing channel? Hopefully, they will be successful, but based on past occurrences, only a minutely small percentage will ever survive a test market

As the farm is identified with the market orientation concept, the next step is to understand consumer behaviour, determine what products consumers purchase, what motivates consumers to buy these products and how consumers will use the products they buy.

If agriculture will use this approach, successful product lines can be developed and this new line of products will help minimize the possibility of failure once a product is introduced into the market

A quote from an unknown author exemplified this approach **"It's the taste of the fish and not the fisherman that determines the bait."**

We can modify this statement to read as follows "It is the taste of the consumer, not the manufacturer, that determines what products are offered" The ultimate success of any product depends upon consumer acceptance

For the 70's dynamic changes in food markets will necessitate a market-oriented approach Let's briefly review what changes might occur in the 70's

Development of Mini-Housewife — increased income more housewives working than the 28,000,000 now drudgery of housework alleviated by technology, convenience foods including boil-in-bag main dishes, prepared menus (airlines prepare 9,000 meal/day), and processed meat items.

More leisure time — 30 hour week and home away from home (for the needy rich).

Increased mobility — more away-from-home food consumption

Automated supermarkets — dial at-home service for groceries and automated check out service.

Farmers — larger and more specialized operations, more knowledgeable managers; farmstead will resemble a small factory, small farmers will become welfare problems

Putting a man on the moon will not solve the problems of crowded cities, and air and water pollution, resolve international problems, or slow the population explosion Then, why the great interest and support?

Simple, it captures the imagination of the people The day our nation placed a man on the moon every American sang the praises of this great scientific achievement Every eye was glued to the TV set, every street corner conversation was devoted to it, and nothing could take its place in the newspaper headlines

I am not trying to degrade our achievements in space I am attempting to direct attention to the needs in the dairy industry of tools for transition of a new agriculture era — an urban consumer controlled era. The dairy industry needs something to capture the minds of people.

It appears that in every effort to increase the net income of farmers the "cheap food" complex has become a serious problem The American consumers are not seriously concerned about the prices of non-food items.

It is important that we recognize the receding position today of farmers with respect to our total population Today, we are close to five per cent of the total United States population.

I am inclined to think that the

(Continued on Page 21)

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Beacon now offers a feeding program for dairy steers that takes the roughage out of feeding. It is a research proven program that has been fed successfully in commercial feedlots in the Midwest for over six years.

Get fast, low cost gains without roughage:

- Birth to market in less than a year.
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Farmers Must Study Consumers

(Continued from Page 20)

farmer's share of the consumer's dollar will also decline in future years. Today, it is 39 cents This will be due mostly to the fact that consumers want more and more services added to the products of the farm before they purchase them at the retail store. Today, the consumer wants better packaging and everything more convenient

Therefore, we must have a change in our attitudes toward marketing farm products The change to market orientation is important We must create markets for our own products

The move today is to consumerism

The American consumer is never consistent in her market patterns. As has been determined through consumer research some products she wants packaged, labeled in a manner that the product is ready for the oven, another product she will want loose so she can make a selection even though this means waiting in line for weighing and packaging the item

But, we can be sure she is going to have her products the way she wants them, and if we are not willing to provide a product in the manner the consumer wants it, the consumer will make her purchases somewhere else

We can go on and on hypothesizing about the future

As the dynamic 60's draw to a close, and we enter the Space Age 70's, a market-oriented approach is essential to the farmer's survival The agri-business industry attuned with consumers, can adjust to consumers needs and desires change

For survival farmers and agri businesses must get consumers assist in product development This will minimize guessing as to changing needs and will provide specific guidelines to research and development for product development

Universities are not adequate to do research on the scale needed in today's agriculture

If the agri-business doesn't have the capabilities in its own organization to communicate with consumers, it can hire the personnel or obtain information on a contract basis from firms specializing in consumer research

While approach to use is irrelevant but listen when the consumer speaks By doing so agriculture can "offer consumers the bait they prefer"

It farmers are going to continue to produce food, it becomes imperative to them to learn the changing patterns in food consumption during the Space Age 70's

Oak Sawdust Found Good Steer Roughage

Coarse oak sawdust has proved successful in taking the place of hay for roughage in feeding steers for 110 days before sending them to market scientists at Penn State report

Acting much like hay in the forestomachs of steers, coarse oak sawdust creates desirable regeneration of the linings by case with ruminants or cud chewing animals fed all ground diets with no normal roughage

stimulating the membranes It also prevents damage to the liver says Dr Hans Rothenbacher, associate professor of veterinary science

Without this effect from suitable roughage ulcers damage the forestomachs and abcesses injure the livers of steers, he points out Such has been the

In previous studies Dr Rothenbacher has found almost identical results with pigs

The findings offer cattle feeders an economical roughage to use in finish feeding steers for market Oak sawdust is a plentiful and inexpensive by product of the lumber industry in many areas

In the most successful ration, coarse oak sawdust made up 15 per cent of the diet, Nutrition phases of the experiments were directed by Dr Theodore A Long, associate professor of animal nutrition

Of several steer groups used in the research, all those receiving 15 per cent coarse oak sawdust produced similar stomach and liver conditions almost free of ulcers or abscesses The results were similar to those with the animals fed normal roughage

33 4-H'ers Get 4,320 Capons

Some 4,320 capons have been distributed to 33 Lancaster County 4-H members

Jay Irwin, associate county agent, said the birds will be used as 4-H projects by the members of the various community clubs

The birds are geared for the thanksgiving market and a Round-up display and competition probably in early November

Some 3,120 four-week old capons were purchased from Wilmarth Poultry Farm, Kingsley, north of Scranton, and delivered here May 28

Another 1,200 were obtained from Alan Rhodes Farm at Kingsley Monday

This is a project which enables youths to keep records of a live animal project There has been a good market for them, too, Irwin said

Come see us about a Fricklefrack* loan.

*Fricklefrack: any good purpose good people need money for.

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Local Official Gives History of Butterfat Test

Milk-O-Tester May Be Industry Breakthrough

By Victor Plastow
Associate County Agent

The price of milk is determined by its fat content.

Millions of fat tests on milk are carried out every month in this country alone

Dairies, the Dairy Herd Improvement Association, and federal, state and local control agencies are all interested in milk fat tests in order to establish the price of milk shipments, to evaluate cow performance and to check whether market milk has the required minimum fat content

Several decades ago milk used to be bought and sold by weight or volume alone But ever since Dr S M Babcock of the Wisconsin Agricultural Experiment Station developed and perfected a method for the determination of the fat content of milk and cream in 1890 the chemical fat test has become widely accepted in North America

The Babcock test as it is generally referred to, is based on the digestive action of sulfuric acid on the milk solids and the concomitant liberation of all the fat in the milk sample Centrifugation causes this fat to be forced into the graduated narrow portion of a standardized milk test bottle where it can be measured

The test is usually carried out on several samples at a time It is fairly easy, requiring only some skill but strict compliance with several details in the procedure, such as techniques, temperatures and timings It takes about 20 minutes to determine the fat content of a milk sample by the Babcock method Sulfuric acid is not particularly expensive and the equipment and glassware may last many years if cared for The Babcock test has been hailed as one of the milestones in American milk and dairy history

An alternative to the Babcock method is the Gaiber test It was also developed in the 1890's, but in Europe, by the Swiss chemist Dr N Gerber This test was introduced to this country about 15 years ago and has found wide acceptance in several states It is based on similar principles as the Babcock test, except for variations in certain details Especially the testing equipment and glassware are different

For several years now, a new method for the determination of fat in milk has been gaining attention from the dairy industry The method requires an instrument developed and built by a Danish firm It is called the Milk-o-Tester and determines the fat percentage of milk sample in about 30 seconds The device has been checked by various people in research and industrial laboratories of several countries, including workers at the Pennsylvania Agricultural Experiment Station

It is believed that the Milk-o-Tester will revolutionize milk fat testing, especially for such routine testers as large dairies with many milk shippers and the state Dairy Herd Improvement Associations

Operating Principles — The opaqueness of milk is caused both by the presence of colloidally dispersed protein and fat globules naturally emulsified throughout the milk The fat and protein cause light to be dispersed and absorbed When the milk protein is dissolved, thus made invisible, and when the remaining fat globules are homogenized to a uniform size, light dispersion and absorption will depend only on the number of fat globules which are now homogenized proportional to the fat content of the milk The light passing through the sample is picked up by a photometer and indicated as milliamperes on a scale reading 'per cent fat

Victor Plastow

Operating Method — The manufacturer of the instrument, A/S N Foss Electric, indicates an error of only 1 5 per cent for milk testing 3 to 8 per cent fat, that would be 0 06 per cent fat for a 4 per cent milk and 0 075 per cent for a 5 per cent milk Normally, the Milk-o Tester is calibrated with milk samples of known fat content, as determined by the Babcock test, the presently approved and required milk fat testing method

Reproducibility of the instrument is about the same as that of other fat testing methods

Pros and Cons — Before more research is done with the Milk-o Tester it can only be accurately used for unhomogenized, raw or pasturized, whole milk with a fat content of 2 to 6 per cent which, however covers practically all milk samples It is possible to test milk with a higher fat content or cream by diluting the sample so that a readable fat content is obtained

Sour or even slightly sour, samples may cause problems, because coagulated casein could plug the intake screen or even the homogenizer Chemical preservatives can be used in samples without effect on the results or danger of corrosion

Proper calibration of the instrument is extremely important and the details of the instruction must be adhered to Apart from this operation of the Milk-o-Tester is fairly easy

Milk samples that have been churned out during transit should not be tested, as the results will always be below the true fat percentage

There is no disposal problem as with sulfuric acid, since the Versene solution — milk mixture is noncorrosive

The few existing publications dealing with work on the Milk-o-Tester all praise its simplicity of operation, the speed with which results are obtained, the low cost per sample, provided a substantial number of tests are completed every day, the complete lack of danger, since no flammable solvents or acids are used; and, all factors considered, the definite superiority of the Milk-o-Tester over other fat tests

A Cool-Cooler Beverage

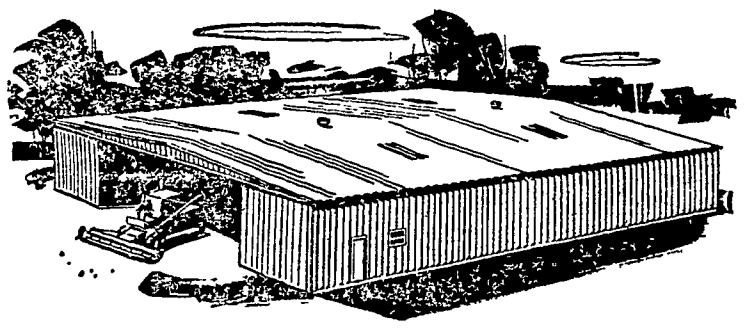
Fruit flavors, ice cream and milk get together in this summer sipper It might do double duty as beverage and dessert for a quick sandwich meal

Keep it in mind, too, for any time "something good" is called for

STRAWBERRY PINEAPPLE COOLER

In a mixer or blender, combine 2 cups milk, 2½ cups (1 lb., 4½ oz can) chilled crushed pineapple, and ½ pint vanilla ice cream until just blended. Pour into tall glasses and top with scoop of strawberry ice cream. Garnish with mint, if desired Yield 6 servings

WHY FUSS WITH WOOD?



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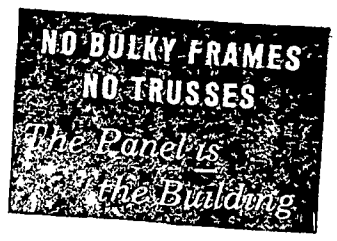

If you're in the market for a low-cost, "do-it-yourself" farm building structure . . .

You can draw up some plans go down to the lumber yard, fiddle around with siding, rafters, poles —round up a crew—and then pound, cut, trim, hammer and paint until you're blue in the face And still wind up with just an ordinary wooden building

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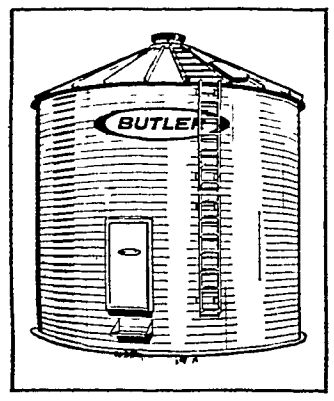

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1,790 Bu	$516.00
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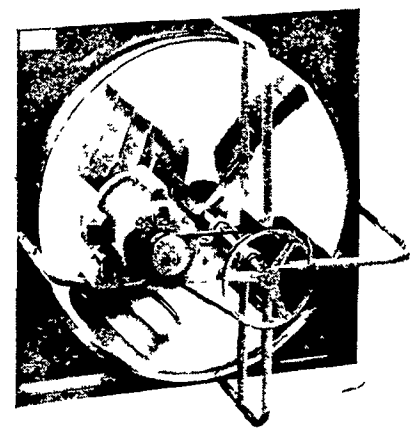

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The Many Faces of Cheese

Making natural cheese is an art centuries old — and one which "immigrated" to the United States with happy results.

It consists of separating most of the milk solids from the milk by coagulating with rennet or a bacterial culture or both, and separating the curd from the whey by heating, draining and pressing

Most cheeses in this country are made from whole milk (But both milk and cream are used for certain types of cheese, and, for other types, skim milk, whey and mixtures of all these are used)

Natural Cheese

The term "natural cheese" applies to cheese in its original form as contrasted with pasteurized process cheese, cold pack cheese, cheese foods and spreads, or food or club cheese These are blends of natural cheeses which have been shredded and mixed

The labels of natural cheese and other types of cheese carry important descriptive information you should check when shopping.

Look for the name of the product Cheddar cheese, Swiss cheese or Blue cheese Don't confuse the brand name with the name of the cheese

The age or degree of curing also may be indicated on the label

Curing or Aging

After cheese is formed into its characteristic shape, it's given a coating of wax or other protective coating or wrapping and is allowed to cure or age for varying lengths of time depending on the kind of cheese being made.

Mild — Cheese cured two or three months may be termed "mild", has little flavor development and slightly rubbery body

Medium — Cheese aged up to six months may be termed "medium" or "mellow", it is mellow-bodied, smooth textured Characteristic nutty flavor of aged cheese only slightly apparent

Aged — Cheese aged over six months may be termed "sharp" or "aged" Preferred for cooking as it melts easier and blends well with other ingredients Adds richer flavor than a younger cheese (Aged cheeses cost more because of added costs of curing)

Storing Cheese

Refrigerators and wrappings are the two best friends cheese ever had

Warm, moist air is the enemy

Refrigeration (40 degrees

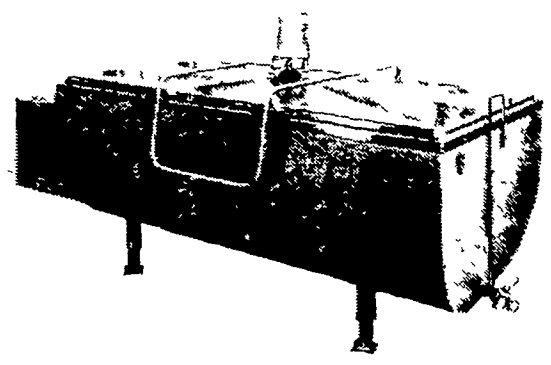
(Continued on Page 27)

Choose Cheese from This List

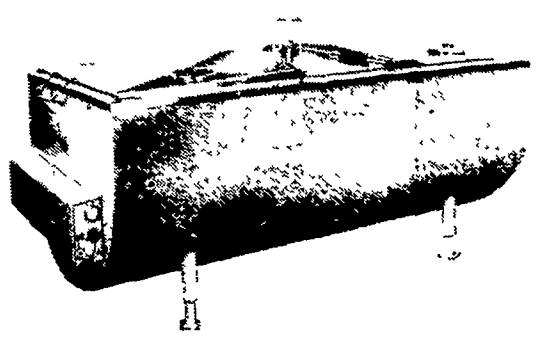
CHEESE	DESCRIPTION	USE
CHEDDAR	Semi-hard cheese nearly white to yellow in color Mild to sharp in flavor depending upon aging From firm to crumbly texture.	Appetizers, sandwiches, salads, in cooked foods desserts.
CHEDDAR TYPE Colby Monterey or Jack	Mild in flavor In texture, somewhat softer body than Cheddar.	Generally used for sandwiches and appetizers.
GOUDA and EDAM	Red wax outer surface yellow interior. Semi-soft to firm Nut like flavor.	Appetizers salads in cooked foods, desserts.
CAMEMBERT	Smooth creamy yellow with edible white crust Soft, surface-ripened, Mild to pungent flavor	With crackers or fruits for appetizers or desserts.
MUENSTER	Creamy white, semi-soft with tiny holes. Mild to mellow flavor.	Appetizers, sandwiches salads.
BRICK	Creamy yellow, semi-soft with small holes. Mild to sharp flavor.	Appetizers, sandwiches, salads, desserts.
SWISS	Light yellow, large holes. Firm, Nut-like sweet flavor.	Appetizers, sandwiches salads, in cooked foods
BLUE	Blue veined, crumbly, Semi soft to firm, Sharp salty flavor.	Appetizers salads, salad dressings, in cooked foods desserts.
GORGONZOLA	Blue green-veined Semi-soft to firm Sharp, salty flavor Less moisture than Blue.	Appetizers, salads, salad dressings, in cooked foods desserts.
PROVOLONE	Light yellow, semi hard, smooth and somewhat plastic Mellow to sharp, smoky flavor.	Appetizers sandwiches in cooked foods, desserts.
PARMESAN ROMANO	Yellow white Hard granular. Sharp piquant flavor.	Grated in soups, breads on spaghetti, in cooked foods
MOZZARELLA and SCAMORZE	Unripened semi soft cheese White stretchy cheese—when served hot it becomes chewy. Varying moisture content Sometimes designated for pizza. Delicate, mild flavor.	Sliced, in cooked foods, on pizza, sandwiches.

BULK MILK COOLING THE CP WAY

CP MILKEEPERS COOL MILK FASTER AND MORE EFFICIENTLY



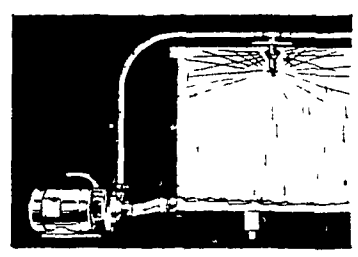
Choose the bulk tank equipped with the original dimple-type cooling plate (copied but never duplicated) for the fastest cooling farm tank available. CP MilKeepers are the bulk tanks with features that give better performance day by day, and add years of life to the tank, assuring high resale value.



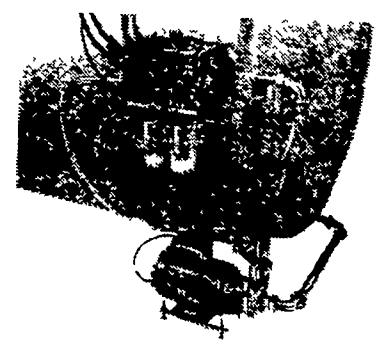
Factory-sealed, self-contained MilKeepers available from 100 to 500 gallon capacities One-piece covers make cleaning fast and easy. Remote models with factory-installed refrigeration and electrical controls available in sizes 300 to 1,250 gallons.

Heavy steel outer shell gives MilKeepers the rigidity to hold calibration year after year. It's a fact — MilKeepers resist distortion forces that could ruin a tank without a similar outer shell.

For producers with big herds, the new line of CP Cylindrical MilKeepers gives the same dependable service as the many thousands of MilKeepers already in use. Choose "big" MilKeepers in 1500-2000-2500-3000 gallon capacities. These tanks lend themselves readily to bulkheading Larger sizes available on special order.



A KleenKeeper Kit, with recirculation pump and spray heads to fit strainer openings, will clean your MilKeeper in minutes Continuous, powerful spray action cleans entire tank interior without brushing.



The CP built-in Automatic Washer for Cylindrical MilKeepers completely automates tank cleaning — from pre-rinse to final sanitizing. Permanently mounted on tank to eliminate storage and handling problems. Also available for semi-automatic operation.

CP DIVISION ST REGIS

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USDA Views Dairying in the '70's

The good news for dairy producers is the prospect of higher milk prices and bigger cash receipts in the decade of the 1970's, according to the USDA's Farm Index

Also on the horizon a closer balance between supply and demand of dairy products, perhaps even total disappearance of surpluses by the year 1980

Gross receipts from marketings of milk and cream are expected to rise 25 to 35 per cent Sales in 1969 exceeded $6 1 billion

Still greater increases are envisioned for average gross sales per farm They may rise to $40,000 $45,000 by 1980, nearly three times the average for 1969

(These are the "would be" prospects with the dairy support level and Federal order pricing as they were in 1969)

But there will be fewer farms to share in this increase Farm numbers have trended downward in the postwar period, and will continue to decline in the '70's.

ERS outlookers foresee a 50 per cent drop in commercial dairy farms by 1980 They now number around 400,000

Cow numbers would be down too- by roughly one third from 1969's average count of 12 7 million

Total milk production would drop off as a consequence, but not as sharply as farm and cow numbers

One reason is that average milk output per cow is expected to increase through improved breeding management, and feeding practices By 1980, per-cow output may be up 30 per cent from the 9,158 pounds in 1969

Also, those 200,000 farms will be keeping larger herds average herd size, today about 30 cows, will rise to about 50 And, herds of over 100 cows will become more common

All this considered, milk production in 1980 could drop well below the 116 billion pounds produced last year

On the demand side, per capita consumption will not increase according to the USDA Since 1942 the per capita figure has declined at an annual average of nearly 10 pounds (measured in milk equivalent fat solid basis) -- from 822 pounds to 565 pounds in 1969

Butter and high fat products will account for most of the falloff in demand during the 1970's

On the other hand consumption of products with low fat content will rise, including low fat and skim milks, ice milk cottage cheese, and whey solids

Whey solids have been going mainly into livestock rations But they have a promising market potential for use in bakery products, prepared foods, candies, and ice cream

With milk production moving more closely in line with demand, the economists anticipate a dwindling of dairy surpluses

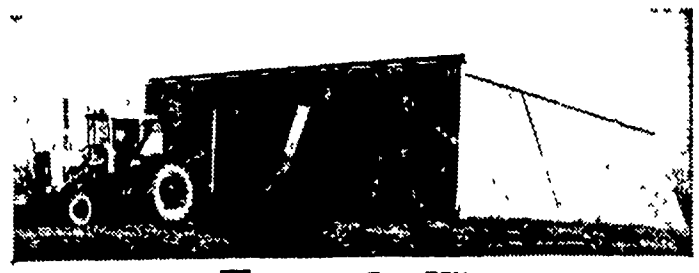
In addition, nearly all marketings would be commercial sales, inasmuch as government purchases would be minimal at the higher market prices being projected.

The gain in milk prices would reflect the closer balance in supply and demand, a general price rise in the U S economy, and growing efficiency in as

(Continued on Page 29)

INTRODUCTION TO THE

NEW BUTLER STEEL BUILDING



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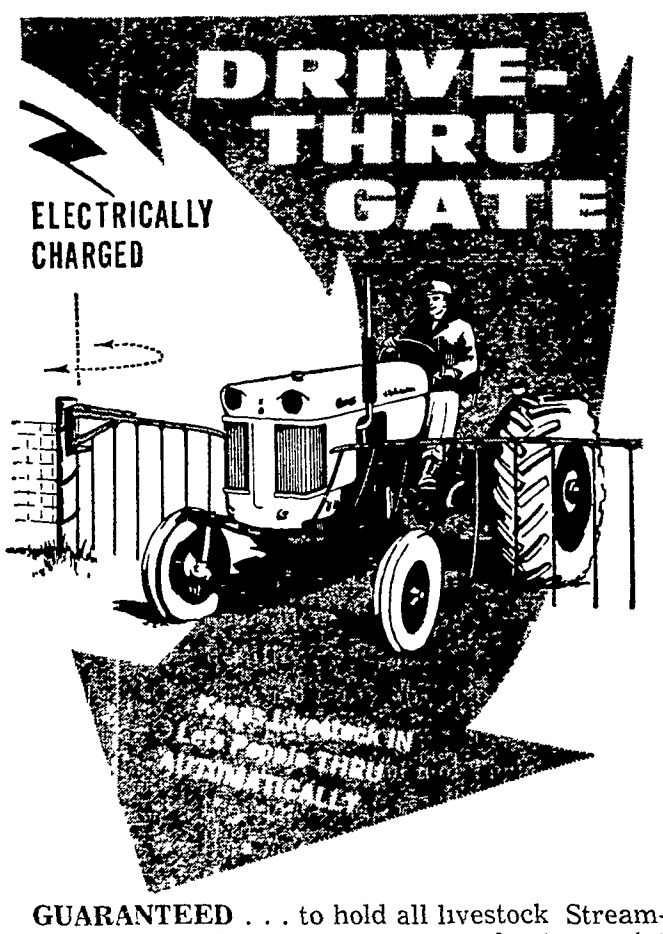

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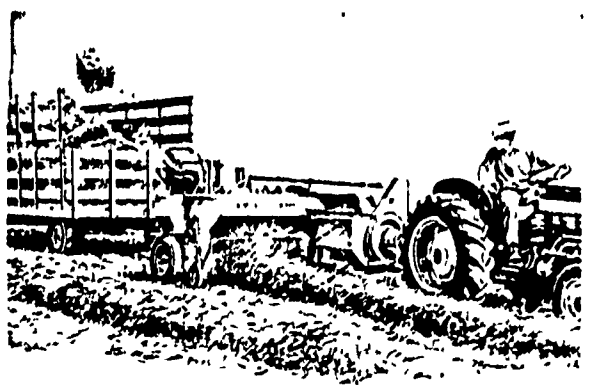

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Champion Brown Swiss Cow Produces 300,000 Pounds—Still Going Strong

Much has been said about the accomplishments of Ivetta a Brown Swiss cow who ranks as the Living Lifetime Butterfat Producing Champion for All Breeds

However her story is not stagnant She continues to set a torid pace for the Brown Swiss breed as well as other breeds of dairy cattle Few can compare to the "Incomparable Ivetta"

The Brown Swiss Cattle Breeders' Association of America, Inc lists the following accomplishments for Ivetta

Along with her All Breed Butterfat Championship, she has just recently broken the 300,000 milk barrier as a life time total This is a record for the Brown Swiss breed The former record holder was Lady's Gypsy Girl F with 280,874 8 milk and 12 012 51 fat This new total also puts her farther ahead in the lifetime fat producting division

Along with these lifetime records, Ivetta stands as the only cow of any breed with 11 consecutive records over 20,000 milk and 800 fat Her 10 consectuive records of 1 000 fat or more is an accomplishment that all breeds look up to, no other cow has ever done this

Ivetta is still milking 45 to 50 pounds a day

Ivetta's peak record was at 11 years 3 months when she produced 1276 fat in 305 days Her top milk record was her 365 day 13 year old record of 27,389 milk

White Cloud Farm, Prince ton, New Jersey, purchased Ivetta on October 13, 1956 from W E Naffziger, Pekin, Illinois, the breeder and owner of Ivetta, at the Illinois State Sale for $550 Thus began Ivetta's career as a champion producer of all breeds

The highest price ever paid for a male at public auction, $41 000 was reached for White Cloud Ivetta's Doric at the 1967 Springtime Show Window Sale He was purchased by the Tri-State Breeders Co op Westby, Wisconsin He was used in the Midwest area and has a number of young daughters that will be in the production line soon

Try A Classified — It Pays

ARE YOUR COWS PRODUCING TO CAPACITY?

HERE'S THE WAY TO INCREASE DAIRY PERFORMANCE —

Fit the feed to the forage you have available.
Fit the feed and forage to cow performance by determining the pounds of feed input needed daily for performance and milk output
Fit the entire feeding program to your management practices by selecting the best way to feed the entire herd.

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Use Red Rose Dairy Feeds . and Red Rose Supplements. They're available in many protein levels to suit your particular need and the roughage you have available . . . and will help to fill the milk pail — where it counts most

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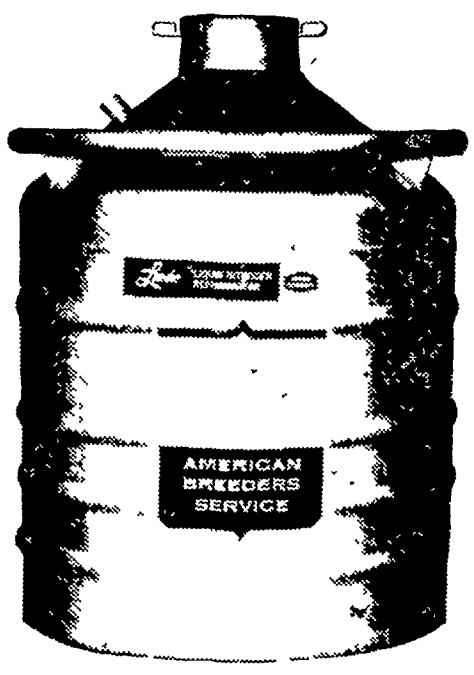
- Semen Placement and Timing
- Importance of Good Nutrition
- Herd Management & Breeding Facilities
- Insemination Procedures



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State DHIA Converting To New Testing System

The Pennsylvania DHIA Association is in the process of completely changing its milk testing procedure

The change includes conversion from the present Babcock testing units, which each of the 15 milk testers in Lancaster Co must carry with them, to the Milk-o Tester The new units do not involve acid, a safety factor Victor Plastow, associate county agent in charge of dairying, explains the new equipment in an accompanying article

But the change involves much more than just the change in equipment; it involves a whole new testing set-up

The key to the change is construction of a new statewide milk testing laboratory at Penn State Plans are to test milk of all DHIA members in the state by Milk o-Tester at this new lab

Whereas, there are 15 Babcock units now in operation in Lancaster County alone, under the new system there will be only 10 Milk-o Testers for the entire state But each of the 10 units will cost $18,000

Under the new set-up, local milk testers will send milk samples to the new laboratory for testing

Plans are to complete construction of the new laboratory by August 1970 and to get all local tests under the system by sometime in 1971

Holstein Industry Growth Reported for Pennsylvania

Pennsylvania is making a record of growth in the Holstein industry which no other state can match, M S Prescott, editor of Holstein-Friesian World, reported recently

In 1969 for the first time Pennsylvania moved into the No 1 spot for active members of Holstein-Friesian Association of America

It is the only one among the top 10 states which during the past decade showed growth in all four categories of registrations, transfers, total national members, and total active members. Its growth rate for this period has been more than double the national average

In production, Pennsylvania Holstein herds rank among the leaders and her breeders also dominated the top honors of the show ring in 1969, carrying through to make her No 1 State in the All-American awards — with a total of four out of the 14 classes, including several of special significance

Holsteins have been bred in Pennsylvania for 100 years

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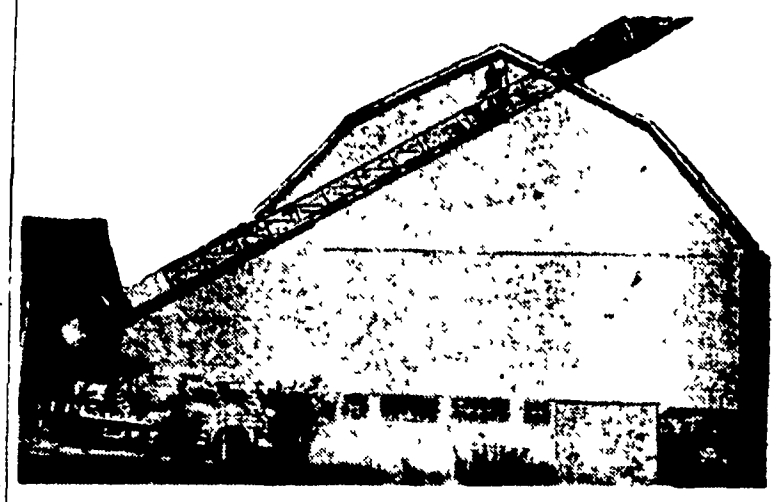

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it's June Dairy Month

Let's celebrate the occasion by being extra sure to eat tasty, nutritious dairy products at every meal.

Enjoy cold, refreshing milk at every meal and encourage your friends and neighbors to do the same. Get into the habit of drinking milk regularly. Sharp cheddar cheese is a hard-to-beat snack. Select from the wide choice of delicious ice cream flavors when you order or serve dessert.

We're proud that many dairymen in this community are loyal Purina customers. And, we welcome this opportunity to promote the milk and milk products they produce.

Why not make a mid-year resolution to use more of their dairy products in June . . . and throughout the whole year!

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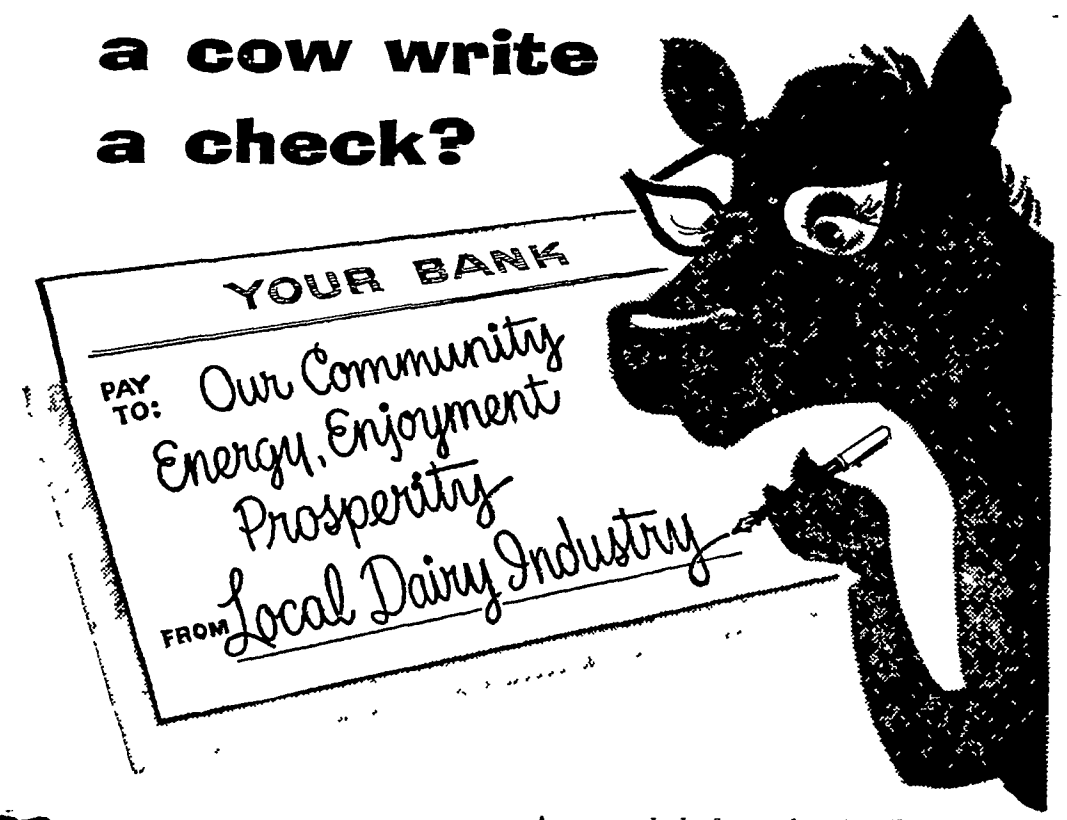

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dairy

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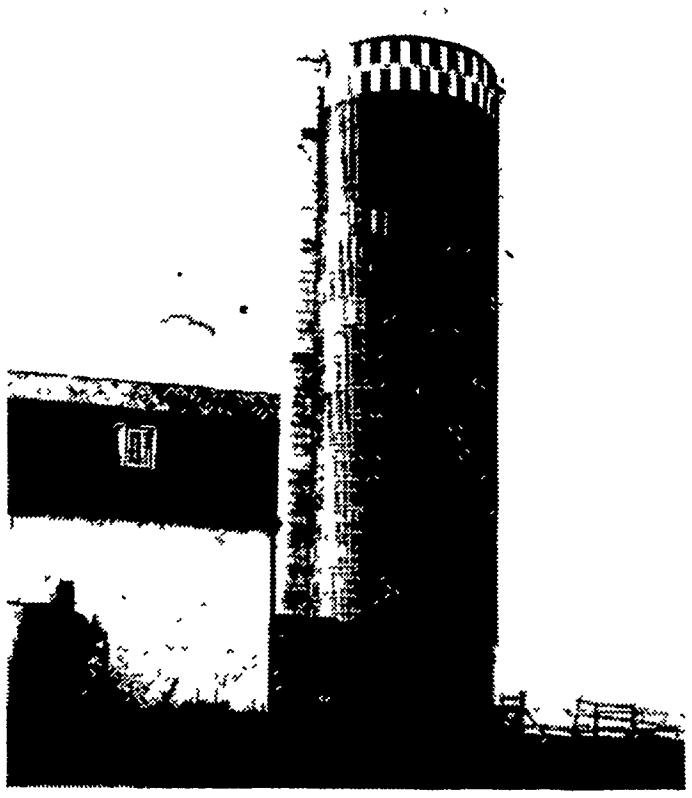

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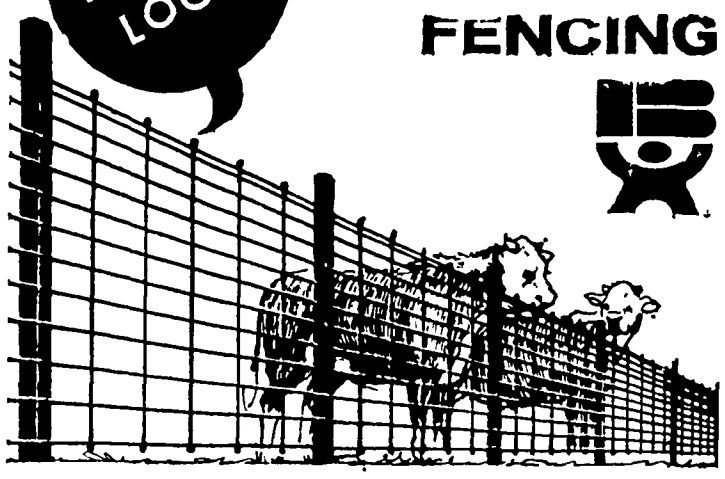

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See why this big rugged machine is out selling and out performing all others!

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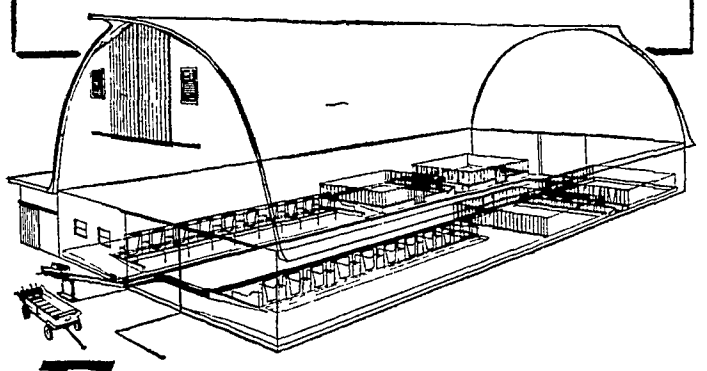
Can you go wrong with a barn cleaner that's over built?



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There's a Farmway barn cleaner for your barn One unit will handle anything from a single gutter to 4 to 6 gutter set-ups

Rugged drive unit Here's strength and power for even the biggest barns Each part of the barn cleaner is designed to decrease drag Less maintenance, lower operating cost

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● The Many

(Continued from Page 23)

Fahrenheit) preserves the original flavor and appearance of cheese and insures full use without waste.

Long holding, even at refrigerator temperature, will result in additional curing and a sharper flavor

Wrappings, such as waxed paper, plastic film, aluminum foil or plastic bags should be used in close contact with the cheese to exclude air to keep it fresh and moist Of course, mold is easily scraped or cut from the surface of the cheese

Cottage cheese and cream cheese are quite perishable and should be used within a few days of purchase

Cheese with an aromatic or strong odor such as Limburger should be, stored in a tightly covered jar or container Such cheeses are fast curing and are at their best when used within a short time after purchase

Cheddar, Swiss and Italian varieties of cheese that have been kept too long and become dry can be grated and used for flavoring

Cooking With Cheese

When cooking cheese, always keep the heat low Cheese needs just enough heat to melt and blend with other ingredients

High heat or long cooking makes cheese tough and stringy Dry heat, prolonged baking or high temperatures will produce leathery texture

Add cheese to other ingredients in small pieces, it spreads more evenly and cooks in a shorter time

When making a cheese sauce, add the cheese just at the last minute and cook only until it melts

It cheese is to be grated or shredded, the job is easier if you work with cold cheese taken directly from the refrigerator.

Except for soft, unripened cheeses such as cottage cheese or cream cheese, all cheese tastes better served unchilled. This usually requires from 20 minutes to an hour at room temperature to bring out its distinctive flavor and texture.

Cut off and set out just what you'll use, wrap and return the rest to the refrigerator

Eastern Angus Forum Is Scheduled June 14-16

The Eastern Angus Forum set for June 14-15-16 in Winston-Salem, North Carolina, will emphasize selecting for correct size, conformation, and efficiency through the use of production records and improved management practices Some of the nation's top beef cattle breeders, educators and geneticists are on the program

A special highlight of the Eastern Forum program will be an Eastern Junior Angus Judging Contest beginning at 1 30 p m. Tuesday, June 16, at the Dixie Classic Fair-grounds in Winston-Salem The contest is open to all youngsters whether they are Angus Association members or not. There will be divisions for FFA and 4-H Club teams, Junior Angus Association teams, as well as for individuals Contestants must be at least nine and not over 21

Among many topics, the idea of breeding better cattle for more profit in all segments of the industry will be covered by *Glen Kean, Pennsylvania State* University, who will explain why cattlemen can't afford to overlook quality in their cattle

A live animal demonstration of the factors which make one bull or cow worth more in a breeding program will be presented by Herman R Purdy of Penn State University. He will be assisted by several other nationally known cattlemen and beef industry authorities

USDA Plans to Increase Coliform Count Standards for Instant Nonfat Dry Milk

Bacteria limit would be low ered in a proposed revision of the U S Standards for Instant Nonfat Dry Milk announced re cently by the U S Department of Agriculture

To meet the requirements for U S Extra Grade under the proposal instant nonfat dry milk could have a "plate count" bacteria level of no more than 30 000 per gram and a coliform count of no more than 10 per gram Previous limits were 35. 000 and 90 respectively

USDA's Consumer and Marketing Service, the agency responsible for issuance of the grade standards reported that most of the instant nonfat dry milk now being produced meets these requirements

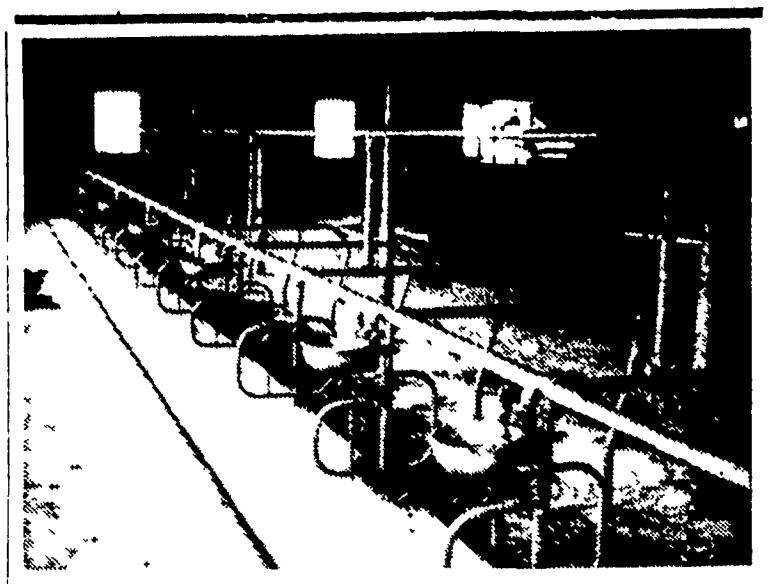
The changes in bacteria limits agency officials said, would mean that the "coliform count" would assume more significance as an indicator of possible post-pasteurization contamination.

The proposal would make the phosphatase test (a method for measuring the efficiency of pasteurization) optional at the discretion of USDA or at the request of an applicant for official grading service

The proposed revision of the grade standards also provides for a new method of determining the dispersability of nonfat dry milk This method, the Modified Moats Dabbah method, has been tested by USDA, the American Dry Milk Institute, and dry milk industry members Under the proposed revision, to be classified as U S Extra Grade, instant nonfat dry milk would be required to have at least an 85 per cent dispersability level, as determined by the Modified Moats Dabbah method

U S Standards for Instant Nonfat Dry Milk are issued under the authority of the Agricultural Marketing Act of 1946 and may be applied by the C&MS Dairy Division's grading service at the request of applicants on a fee-for service basis

A notice concerning the proposed changes in the standarads was scheduled for publication in the May 20, 1970 issue of the Federal Register Comments, in duplicate, may be submitted until June 18, 1970 to the Hearing Clerk, Room 112, Adminostration Building, U S Department of Agriculture, Washington, D C, 20250 Comments will be available for public examination.



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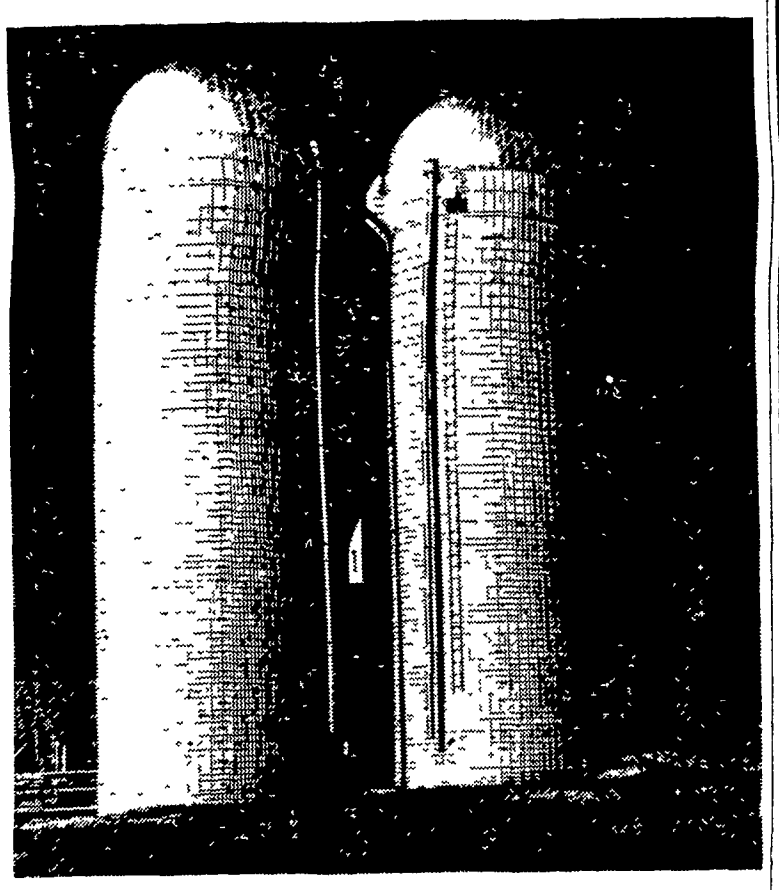

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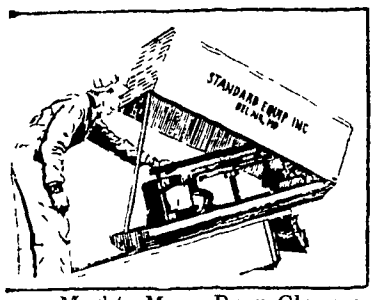

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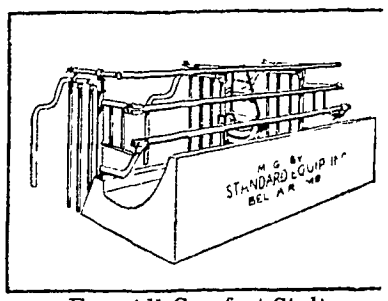

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YOUNG'S Inc., Roaring Spring, Pa.

President Drinks Milk As an Energy Builder

"How President Nixon stays slim " at 5 feet 11" and 173 pounds was an article by Frances Spatz Leighton in Southwest Scene, the Sunday Magazine of the Dallas Morning News recently.

The President eats smaller portions, never takes "seconds" or eats between meals, and drinks moderately His favorite dessert is Key Biscayne Lime Pie with whipped cream

" A favorite technique for dodging calories is forcing himself to eat something he's not particularly fond of — like his staple, cottage cheese He makes his cottage cheese luncheon more palatable by dousing it with catsup "

" The President's moderation extends even to the amount of coffee he drinks He has one cup for breakfast and switches to tea at lunch

He is a great believer in milk as an energy builder and frequently has a glass of milk along with his coffee for breakfast, even though there is milk in his cold cereal

Sometimes he drinks whole milk, but when he puts on as little as an extra pound he switches to skimmed milk "

● USDA Views

(Continued from Page 24)

sembly and distribution of dairy products

The dairy industry can expect other changes as the decade wears on·

—More milk will become eligible for the fluid market, owing to better prices for Grade A milk and the enforcement of stricter sanitary standards for milk of manufacturing grades

—Smaller producer organizations will be merging with the big marketing federations and co ops

—Processing plants wil become bigger and fewer in number

—Vertical integration of dairy marketing will increase New "super plants" will combine the manufacturing operations.

Across the Editor's Desk

(Continued from Page 18)

synthetic milks and drinks threaten the pricing structure for market milk. These products will increase the price elasticity for fluid milk, reduce demand, weaken the industry's control over supplies of products competing for the beverage market, and put pressure on the price-support program for manufacturing milk

Adjustments to these new products must be made, and adjustments in pricing will influence many aspects of the industry Their nature and magnitude will influence the growth of filled-milk sales relative to sales of regular milk, and will help determine future growth of a non-dairy fluid product

Pricing adjustments will condition pressures on government support programs These adjustments will determine to what degree the benefits of technological change in the production of milk like beverages are passed on to consumers They will be the means by which imitation milks affect income of dairy farmers They will influence the location of milk production And they will either limit or facilitate the opportunities which existing milk distributors have to compete in the milk type beverage market

Gaitley made the statements while explaining why the dairy industry in the future must be prepared to change the form of its product in order to meet competition

State Guernsey Board Changes Award Records

The board of directors of the Pennsylvania Guernsey Breeders Association recently voted not to recognize AM-PM or Owner-Sampler records for production awards

If owners wish to use these records in catalogs of sale animals, they will be indicated as such

Since the Junior Association is giving production awards in all age classes in the state it is important to know whether or not they qualify

In other words, dairymen were advised, don't bother to send in AM PM on Owner-Sampler records

This holds true for high cow and high herd in the state

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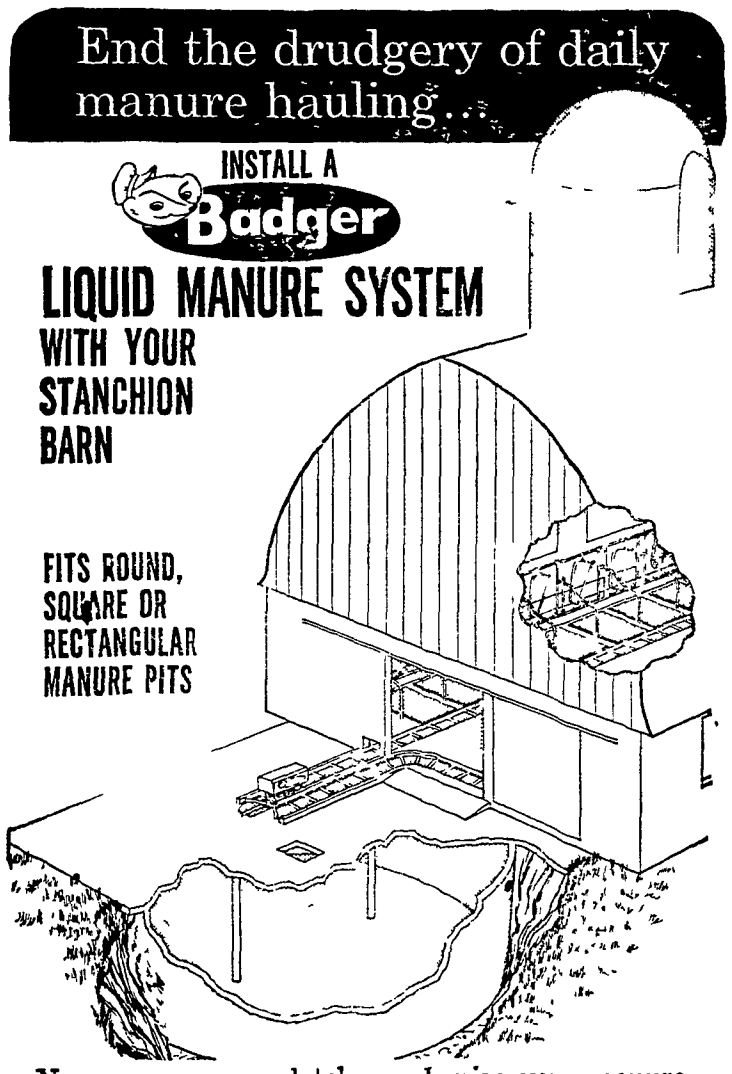

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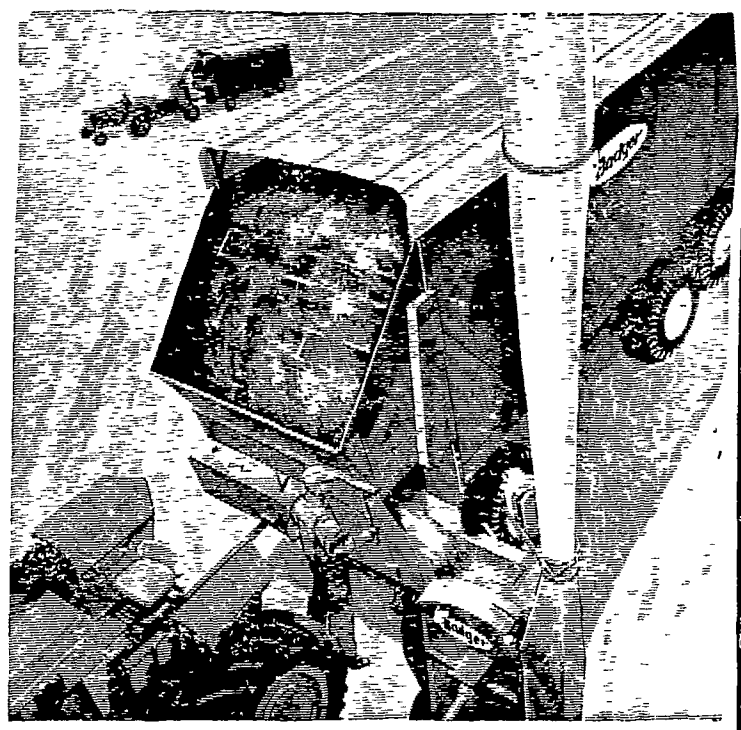

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Higher Wages, Automation, Fewer Herds, Lower Consumption, One Price?

Educator Reviews Dairying Future

This report by the Interstate Milk Producers Cooperative Review touches on many of the issues concerning dairying in publications and reports coming across our desk

While many of Dr. Hesseltine's conclusions conflict with other reports we receive, we think local dairymen—whether they agree or disagree with specific points—will find the educator's comments worthwhile, particularly because the statements are interwoven with numerous facts about the dairy industry.

D. W R Hesseltine, University of Delaware, made the following comments on the dairy industry and its future at the Northeastern Dairy Conference annual meeting at Pittsburgh in April

1 The poor are no better off than they were 10 to 20 years ago Despite record incomes and stout budgets, they are still practically 10 per cent of our population and live from hand to mouth They lack education and good judgement in their eating habits

They are not a great market potential for the dairy industry.

2 We have witnessed a continual development of new products and even a more vigorous competition in marketing Competition has become keener with more products and stronger merchandising methods

We, as an industry, must work diligently to develop more improved products, if we are going to keep in this race

3 Wages have gone up faster than have living costs, but the majority of people spend more than ever before Competition at the marketplace has kept the cost of living relatively lower

People will have more disposable income. The problem is going to be just how to extract it from them in a rather graceful manner

Home delivery will continue to fall below the 1969 level In 1947 80 per cent of our milk was home delivered I predict that home delivery will fall below 10 percent by January 1975 the present level is somewhere around 19 per cent

4 We have seen a steady movement in capital, land, equipment and cows, generally into the hands of better managers In the future, I see fewer dairy herds—perhaps less than 200,000 by the end of 1974, and generally, fewer cooperatives; the stronger ones become mightier and they must be able to deal competently comfortably with the giants of industry.

5 There seems to be enough help in the United States, if we are willing to pay competitive wages.

The development of the milking machine is evidence to prove that the dairy industry of the future must realize that cheap help is expensive help in the long run. We have to learn to manage better and handle workers in a beneficial way We have to house people well and take care of them just as they would in industry We have to adjust to a five-day week, if we are going

(Continued on Page 31)

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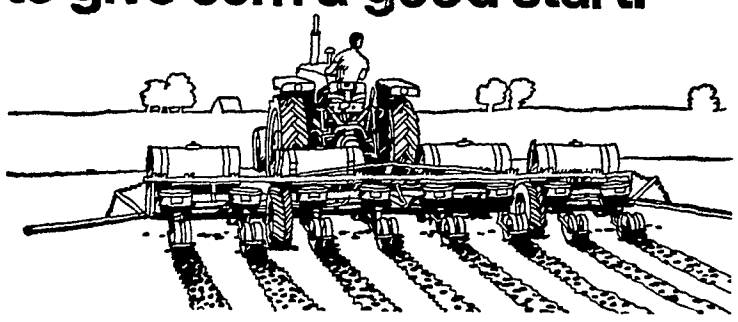

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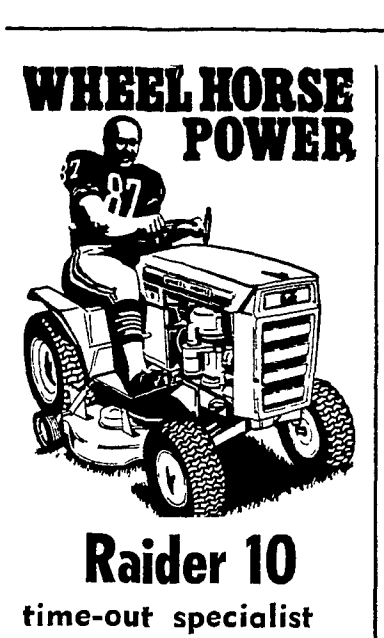

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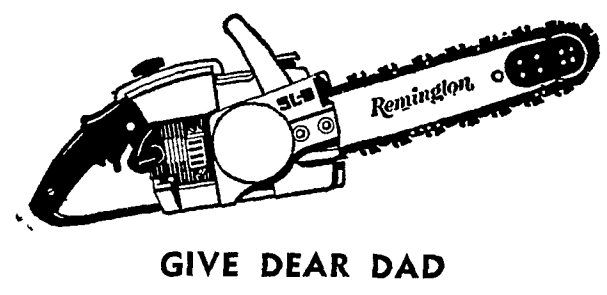

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Educator Reviews Dairying Future

(Continued from Page 30)

to compete and do the job well

6 Output is lower. Substituting machines for labor will continue ing. automated feeding systems, as it has for decades The next automated cleaning and distribu- decade will see automated milk- tion of waste

7. The per capita consumption of fluid whole milk has decreased every year since 1956 and I believe there is good reason for this In 1956, the fluid whole milk consumption was 293 pounds per person, and in 1961, it was 236, down 57 pounds or approximately 26 and a half quarts This trend will continue but slow down

But we cannot stop it because, we as an industry, have made one catastrophic mistake We invented homogenization, and this was supposed to improve fluid milk consumption We did not recognize that we forced the consumer to drink all the cream in his milk when he wants less cream, justifiably, today I suspect that the industry after the next decade, will have to look statistically about the consumption of all dairy products There are a group of reasons for this

Our pricing system will combine all grades of milk into one We cannot merge into super co-ops, combine marketing orders and expect to do anything but sell the Class I and Class II milk

Second, we will integrate more and will have to be just as concerned about processed product prices as we are with Class I values

8 The dairy industry intends to reach its highest state of development and remain in close proximity to great populations. Dairy farms are among the last agricultural enterprise to be forced out by urban growth and the price of milk is highest in the heavily populated areas of our country I predict that these conditions will continue

You are very likely to see co-ops securing profits in products, the same as large dairy corporations do now We, as an industry in the fluid milk marketing area, who have been for years frowned on a little and looked down our noses by people on the profitable side — I think the show is going to be on the other foot — we're going to be looking for profit too.

Total product consumption was 740 pounds in 1950, 20 years ago, in 1969, it was 565 175 pounds less per person If we are to live with lower consumption we must either produce less o continue population growth Good business people should sell their products and get a fair price

9 My prediction is an annual 12 cents per hundred market for the price of milk through 1974. The total value for 1969 averaged $6 31 the 1970 price should be $6 43, the 1974 price should be approximately $6 91 The average price for all milk in the United States in 1969 was $5 46 per hundredweight, a gain of $1 30 over the $4 16 price of 1959

I was hoping we could gain 13 cents or more but I believe that 12 cents is a conservative realistic estimate Higher costs will erase most of this on many farms

I will also estimate that most of our increase will come by the fluid milk price rather than processed milk

The 1970's promise to be exciting, dynamic, challenging years for those persons in organizations who can stand the pace I hope and sincerely believe that my price predictions are conservative

You will, however, make more money at home by running a "tight ship" than you will make with the predicted price increase.

Good Livestock Year

Receipts from livestock and products in 1970 are expected to total around six per cent above the $28½ billion total of 1969, the USDA reported recently

But, market receipts from crops are expected to be about the same as last year's $18 9 billion

With production costs continuing up, farmers' realized net income will likely be around last year s $16 billion — the third highest on record

Help Us Serve You

Is your farm organization's meetings making our farm calendar? If they're not and you think they should, let us know.

As a public service to farmers and the farm community, we try to get as many meetings as we can on the calendar. But we miss some.

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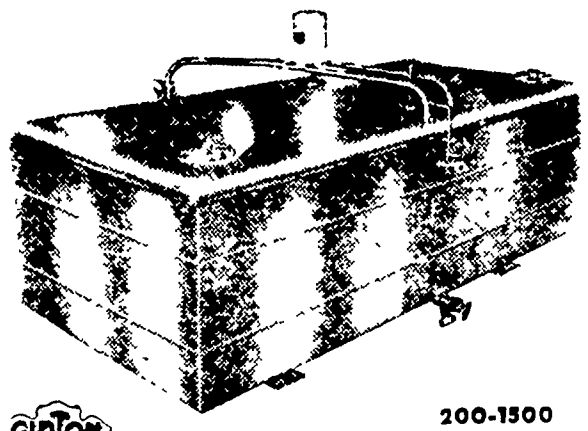

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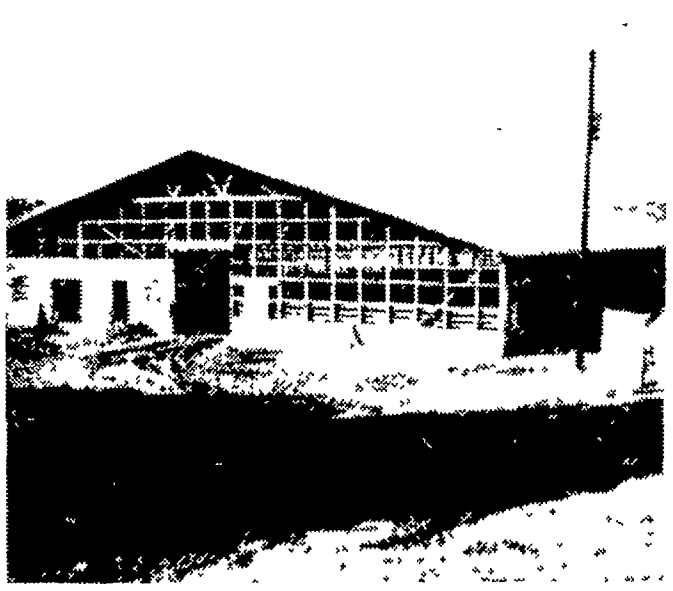
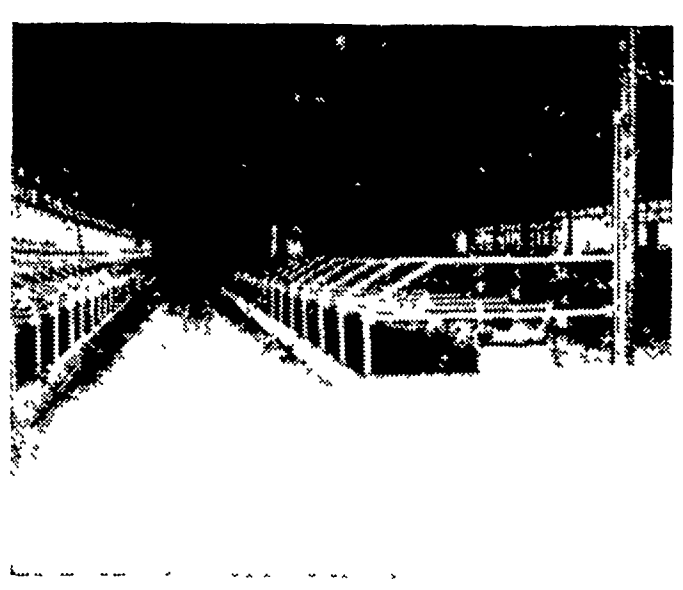
A special salute to the Brenemans' (Robert, Melvin, and Larry) of Romella Farm, Route #1, Strasburg.

The Brenemans' will soon be housing their Guernsey herd in their new 200 head free stall barn.





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LET'S PROTECT
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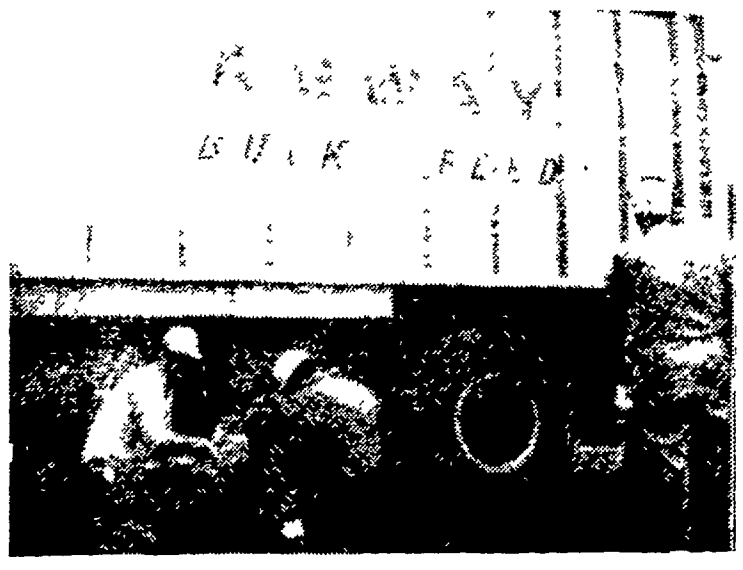
Agway trucks and drivers have passed an additional inspection to insure quality feed delivery. Local truck inspection was held at Manheim May 21 and 22.



Phares Martin (left) assists inspector checking his truck.

John Witmer (right) has his truck inspected.

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SHOP AGWAY FOR FULL VALUE — SERVICES and PRODUCTS

On Selecting the 4-H Heifer Calf

By Victor Plastow
Associate County Agent

Most 4-H dairy members start the project with a heifer calf

This first step is very important. Carefully consider how to select this calf. Points to include:

Breed — One of the first questions will be, "Which breed shall I choose"? Often the breed selected is that of the home herd. Sometimes another breed, popular in the community, is selected This breed may offer a better market when animals are for sale

Age of calf — It is usually best for younger club members to start with a calf only a few months old Animals of this age cost less and are easier to handle and train, and the member grows up with the calf. The club member also gains the experience of raising a calf A disadvantage is greater difficulty in selecting a good type.

Records — The two points which are important in selecting a calf as a foundation animal or as a herd replacement are production and type. Select a calf sired by a proved sire or a son of a proved sire and out of a cow or cow family that has shown, by production records, the ability to maintain a high level of milk production

Investigate record books and life history sheets available in dairy herd improvement work to learn the level of production that may be expected from the animal The records in the pedigree of an animal help predict how good the animal may be as a producing cow The more information collected regarding the records of production of the animal's ancestors, the more successful the club member will be in determining the production potential of the animal

Example How to read a record — 3 year, 1 moth 305 days, 2X, 14,420M 3 98% 574F For that lacation, the cow freshened at 3 years, 1 month of age, the first 305 days of her lactation she was milked twice a day (2X) producing 14,420 pounds of milk with a 3 9 per cent test and 574 pounds of butterfat

Records are made and recorded in any number of ways It is necessary, therefore, to be able to standardize all records to somewhat near the same basis The three most emphasized corrections are age, number of days milked, and the frequency of milking daily. DHIA records are standardized to 305 days, mature basis, milked two times daily To change a 365 day record to a 305 day record, multiply the 365 day record by the factor .85

To change a three-time milking record to a two-time record, multiply by the factor 833

Appearance of the calf — The type and conformation of the calf are also important When we talk about type in dairy cattle, we mean those points or parts of a cow as illustrated on judging cards A daily animal

(Continued on Page 39)

On the right track is Barbara Aaron, Quarryville RD1, who displays her grand champion Jersey at the South Central 4-H Dairy Show.

Lancaster Farming

THIRD SECTION

Holstein-Friesian Association Announces Outstanding Animals

Gold Medal Dam status has been awarded a cow owned by Jefferson D Yoder Elverson

The Holstein-Friesian Association of America gave the recognition based on the animal's ability to transmit outstanding milk production and desirable body conformation

The cow, Rocky-Side Donna 5753311 (GP), completed her career in 1969 "Donna" qualified as a super brood cow with the mature equivalent average of three records being 15 892 pounds of milk and 590 pounds of butterfat

Her qualifying Registered Holstein daughters have attained the following type and production levels (ME basis) as reported by the Holstein Association

Rocky-Side Delilah (GP) with three records averaging 22 614 pounds of milk and 841 pounds of butterfat, Rocky-Side Fancy (VG) with two records averaging 16 680 pounds of milk and 684 pounds of butterfat, and Rocky-Side Mint (GP) with a single record of 17,777 pounds of milk and 735 pounds of butterfat

Production testing and type classification information must be available in order to evaluate cows nominated for this award The Holstein organization, largest dairy breed association in the world registers over a quarter of a million animals each year

The Holstein-Friesian Association also has awarded a Gold Medal Sire to a bull owned by Northeastern Breeders Association, Inc, Tunkhannock

Only those Registered Holstein bulls having daughters that meet high standards in both milk production and body conformation are awarded Gold Medal honors This recognition has been given under the revised rules which became effective January 1 1968

The bull Pencor G Ivanhoe Pabst 1447125 (VG), permanently joins the Gold Medal Sire ranks after being designated as both 'Production and Type Qualified in a recently published issue of Registered Holstein Sire Performance Summaries

The 2,909th yearly production record exceeding a half ton of butterfat has been completed by a Registered Holstein cow, Fultonway Crisscross Regina 6334755 (GP), owned by J. Mowery Frey Jr Fultonway Farms Lancaster

The Pennsylvania Holstein's official record of production totalled 19 374 pounds of milk and 1 041 pounds of butterfat in 365 days She started her lactation at the age of 3 years 8 months and was milked twice daily

(Continued on Page 39)

Hersheys' Stone Farm House About 230 Years Old

Dairying in a Historic Setting

By Mrs. Charles McSparran
Lancaster Farming
Feature Writer

Lancaster County is truly notorious for its fine dairy farms, rich soil, well-kept farm buildings and in many cases the farms have a famous historical background

At the present time, the Holstein seems to be the dominating breed of dairy cattle in the county, due to production records and to the lower butterfat content of their milk which has been in greater demand in recent years

We have various sized herds, the trend though, like the size of our farms, seems to be toward larger herds

A farm that can qualify on all these counts and is one of our average sized farms is that of Mr and Mrs H Richard Hershey on Newport Road, just east of route 501 and about a mile north of Lititz They bought this farm nine years ago and prior to that rented a farm near Root's Auction Manheim RD1, for 12 years

Theirs is an honest to goodness family farm with each one helping with the work Mrs Hershey, Barbara Ann, helps with the milking and feeding calves as well as working out in the fields when necessary.

Their son Henry is very responsible and can manage it alone if his parents are away His younger sisters also help with farm chores

Their farm, Silver Summit, has 105 acres and they rent the Martin Muth farm of 70 acres They keep 40 registered Holstein cows and about 35 heifers They are in DHIA

They have six Ivanhoe daughters with an average of 16,500 pounds of milk and 650 pounds of fat The cows are on the home farm and some heifers and pigs are kept on the Muth farm

They buy shoats and fatten them At the present time they have 34 threeway crosses—Yorkshire, Hampshire and Duroc

They also raise 250 capons for the Thanksgiving market, 500 for Christmas and 500 for Easter Out of a 500 lot they dress about 200 and the rest are sold live The children help with this project The four oldest children have been in the Manheim Lititz 4-H Capon Club and won several prizes

They raise corn, hay and wheat in connection with their

(Continued on Page 36)

Barbara Ann holds her favorite piece of antique china. Her china set can be seen in the old corner cupboard.

Antiquing with Joel Sater

"Sunday Flea Market Uses Old Stuff To Breathe New Life Into Big City"

Starting in May and running all through the hot summer months New York City's own flea market draws upwards of 5 000 antiquers every Sunday to its unique location in an unused parking lot at 6th avenue and 25th street

The lot of course is well used Monday through Saturday but being in a business section of the city normal activity ceases on this one day of the week 'We've breathed life into this part of town says N H Magee the affable director and promoter of the market

This Arts and Antiques Flea Market is a genuine flea market Being right in the heart of a metropolitan area serving 10 000 000 people it must set up bright and early Sunday morning and completely disassemble itself come nightfall Monday morning the lot must be completely empty and ready for the normal business of the big city

The result is a sort of carnival type chaos with dealers setting up and wheeling and dealing in all directions so that when closing time comes they have as little left to pack up as possible

Prices antiques and people run the entire gamut here Generally, prices are good and extremely tempting to buyers Offerings include just about anything and everything

On one afternoon I spotted a marvelous carnival figure of papier mache offered for $600 heavy glass seltzer bottles selling for $2 00 and $3 00 Victorian artists easel priced $14 00 a brass apartment dwellers intercom telephone system for $35 00 and a collection of ten Royal Copenhagen and P&C Christmas plates offered on a Lets Negotiate the Price' basis

Big city antiquing is fun once those of us "from the stix ad just to the mood and tempo of the city dealers Like antiquers everywhere they're just good natured people earning a living and having a ball at the same time

Attorney and Mrs. Bob Huff from Lubbock, Texas, braving the rains to attend New York's Sunday Flea Market, visit George and Doris Hook, dealers from Greenbrook, N.J.

You're welcome at the 25th street market whether you're a serious buyer looking for fresh inventories or a casual traveller spending a few days in the city 'doing the town" And nowadays doing the town in New York must include a trip to this exciting hodge podge

It's easy to drive in the city and street parking is plentiful in this part of town on Sundays If you drive in from out of town the Lincoln tunnel is easiest When you exit from the tunnel head downtown on 8th Avenue to 26th Street turn East and you'll run right into the market

cJoel Sater Send large self addressed envelope with 12c stamp for free list of hundreds of good books on antiques Write % this newspaper

Good Herd Replacement Program Key to Profits

The difference between the best and the poorest cows in most dairy herds is about $500 in gross income per year, says Larry Specht, Penn State dairy extension specialist.

Our whole approach to herd improvement is to constantly replace the poorest producing cows in the herd with cows that, on the basis of their parents' records, should do better.

Keeping a cow in the herd when she is not producing enough milk to pay for her feed and care is a mistake when prices for cull cows are good. It is important to gross as much as possible from surplus cattle, according to Specht

If heifers are well-grown and used to replace the least profitable cows, progress can be made in upgrading a herd Through a good record system a dairyman can know what each animal is producing and which ones should be replaced, he adds

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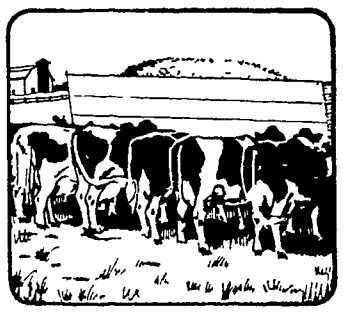

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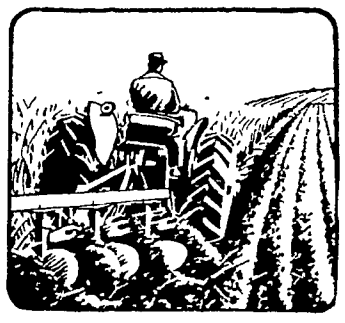

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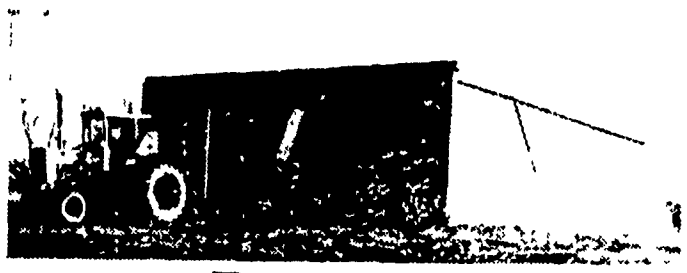

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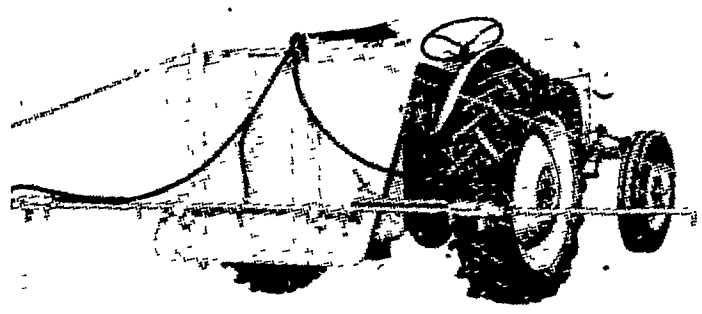

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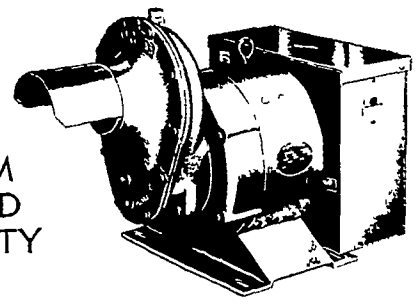

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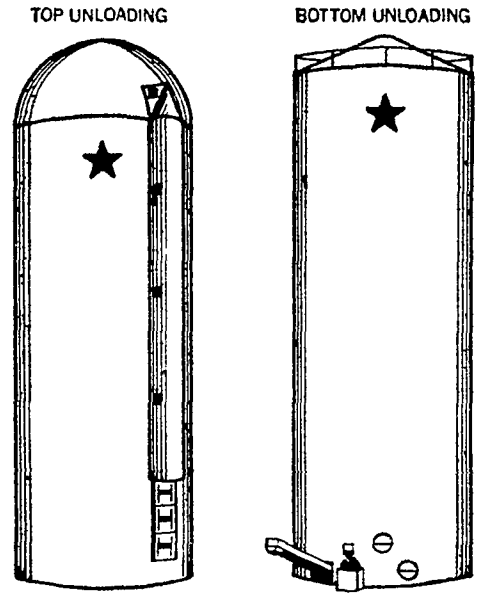

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Price Found Key Factor in Shift Away From Home Milk Delivery

Price is the most important single factor in the shift from home delivery to store sales, according to the Pennsylvania Association of Milk Dealers, which also found in a recent study Annual family income of the home delivery customer is $1,700 greater than the store customer, though 25 per cent of home delivery customers were in the lowest income group Home delivery customers consume almost twice as much milk as store customers

Forty per cent of all households buy 10 or more quarts of milk weekly representing 70 per cent of total volume

Price is the most important single factor in the shift from home delivery to store sales Over 75 per cent of store customers are reluctant to pay more for home delivery

In the two markets studied (Cleveland and Columbus Ohio), more than one fourth of all store customers switched from home delivery during the past two years Most of these were large volume customers (10 quarts or more weekly)

Approximately half the large volume store customers would return to home delivery if the price were the same These currently buy 70 per cent of the milk sold at stores

Price seems less important to home delivery customers and most of them are willing to pay at least four cents per half-gallon more for this service

Store customers feel it is more convenient to buy milk at the store while 75 per cent of home delivery customers feel their system is more convenient Most home delivery customers currently have three deliveries per week store customers frequently buy milk once a week A majority of both would accept once or twice a week delivery

The store customer has a slight preference for paper containers the home delivery likewise for glass

The 24-page Research Bulletin may be obtained by writing to the Ohio Agricultural Research and Development Center, Wooster, Ohio. The writers are Drs E F Baumer, W K Brandt, R E Jacobsen and F E Walker, professors of Agricultural Economics and Rural Sociology at the Center, part of Ohio State University

For Savings, Dr. Says

You can realize a considerable saving by violating a comman practice and feeding high quality corn silage to dairy calves from birth, according to Dr. W. Ray Murley, dairy specialist at Virginia Tech

Studies in several states have shown calves grow as well and are as healthy when fresh corn silage instead of hay was fed. Corn silage was offered calves when they were about two weeks old

Corn silage should be fed twice daily, especially in warm weather, says Dr Murley. Mangers should be cleaned daily of uneaten silage to prevent molding and drying out It should be the only forage fed and should be used along with regular milk or milk replacer and calf starter.

Calves may not eat much silage the first month to six weeks, but consumption will increase considerably after that, reports the specialist.

In one study, Holstein calves ate up to 35 pounds of corn silage at four months The calves were weaned at 35 days and limited to four pounds of starter a day per calf

Dairying in a Historic Setting

(Continued from Page 33)

daily business and about four acres of tobacco

Hershey's 12-room stone farm house is about 230 years old and in well-kept condition The Robert Keener family lives in half of the house In October 1936 the Lancaster County Historical Society saw fit to place a plaque on the front of the house which reads as follows

Count Zinzendorf
1700-1760
Founder of the modern
Moravian Church
Its Indian missions
And The Settlement of Lititz
Preached In This House
Then Jacob Hoober's Tavern
On The Newport Road
December 1742

At the time this marker was placed on the house the farm belonged to Richard's father D Paul Hershey, Warwick Township It formerly belonged to D Paul Hershey's grandfather on his mother's side Nathan Snyder

This farm has been in the family for five generations Hersheys have the original deed dated 1738 to Jacob Hoober from John, Thomas and Richard Penn who were sons of William Penn This deed is framed and hangs in their hallway

This house has some beautiful old fixtures such as double doors in the hallway dutch doors, large iron hinges nearly as wide as the doors, other ornamental iron hinges, a beautiful large corner cupboard, pretty wood trim on mantels and doors Hersheys have restored a couple of the rooms to expose the original long, large wooden girders and oak panelling with boards at least a foot wide

The story goes that Count Nicholaus Ludwig bon Zinzendorf preached in Hoober's tavern and converted Mrs John Klein to his belief and she in turn converted her husband who had been a Lutheran This resulted in John George Klein giving 491 acres of land which is now the town of Lititz The large Moravian church still stands in Lititz

Mr Hershey is secretary of the Lancaster County Holstein Fresian Association which meets once a month They will hold the Black and White Show at the Guernsey Sales Pavilion July 30 and Field Day in August They have been sponsoring the Dairy Princess contest They conduct tours of Holstein farms and other places of interest for their members

Richard is also secretary of the Sunday School at the Lititz Mennonite Church where they are members

Mrs Hershey (Barbara Ann) is the daughter of John G Hess and the late Anna Mary Herr Hess When she was at home her parents tended Central Market in Lancaster and she helped They dressed chickens for market and made angel food cakes, molasses and sugar cookies Mrs Hess's sugar cookies were a specialty Barbara Ann says her mother was really a cook and she did a lot of entertaining

Mrs Hershey helps her husband with his secretarial work of the Sunday School and does his typing as secretary of the Holstein-Friesian Association She does some sewing for her family and attends the sewing circle meetings of the Mennonite Central Committee They make garments for foreign relief which is processed at Akron and distributed from their mission stations

She teaches the intermediate girls' class (junior high school) and will help teach at Bible School this month She has been very active in the Home Builders Association of their church which she and Mrs Phares Longenecker organized in 1953 and she was the first president They have two meetings a year and their main object is giving out Christian literature to graduating classes, engaged couples married couples, families who lose children and unmarried mothers through the nurses in the hospitals

Mrs Hershey occasionally tells stories at children's meetings in county Mennonite churches She likes reading and writing She has had a few of her church articles published in their church paper "Gospel Herald"

Hershey's have five children Shirley was married last summer to Stuart Showalter who is di-

(Continued on Page 42)

Holding a 4-H rosette of Barbara Sue's, Mrs. Hershey sits beside the family's display of trophies. From left to right. Barbara Sue's Lancaster County 4-H 1969 reserve champion capon; Henry's third place county FFA public speaking; Barbara Sue's 1966 Lancaster County 4-H champion capon, and cow trophy won by H Richard for judging at a twilight meeting held at Philhaven Hospital by Southeastern Breeders Coop.

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Farm Women Societies

Society 26

Society of Farm Women 26 of Manheim held then meeting at the home of Mrs James Buckwalter, Lititz RD3, with Mrs Leroy Esbenshade and Mrs Ralph Hostetter as co-hostesses

Daughters of members were special guests A skit was given by Miss Marlene Hess entitled "On the First Day of Kindergarten"

Gifts were given to the youngest mother, Mrs Robert Brubaker; youngest grandmother, Mrs Ralph Hostetter, youngest daughter, Jodi Esbenshade, second youngest daughter, Monica Graybill.

The next meeting will be June 25 at 7 30 p m at the home of Mrs Abram Mumma, Manheim RD2 Mrs N. J Fuhrman, Lititz, will present a Pennsylvania Dutch talk entitled "Fuhoodled"

Society 28

Miss Crista Lynn Durdock, Miss Lancaster County 1970, was guest speaker recently when Society of Farm Women 28 held a mother-daughter tea at the Farm and Home Center

Mrs William Dean, president, conducted the meeting when Mrs Viola Kauffman demonstrated the use of new plastic products.

The next meeting will be held June 25 at the home of Mrs Melvin Zimmerman, 145 Shenk Ave, Strasburg, when Sally Ann Brenneman will present "Bits and Pieces"

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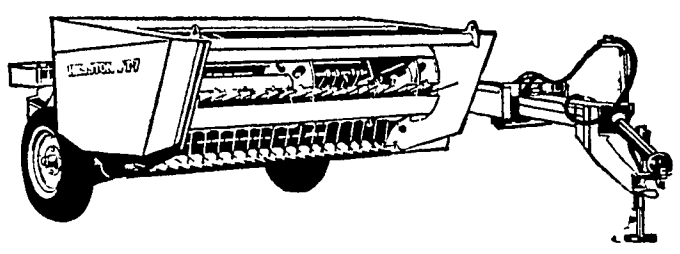

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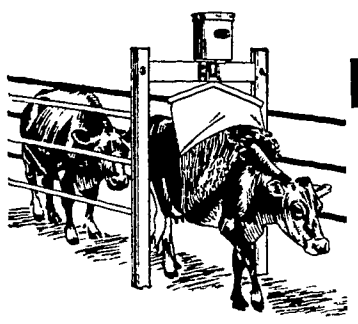

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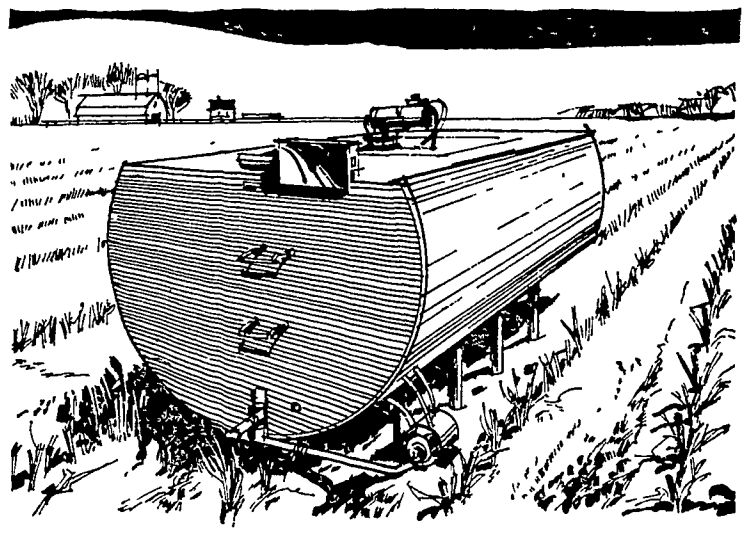

Field losses can rob you of feed value that could produce thousands of pounds of milk.

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The information contained herein is general in nature and is drawn from sources deemed to be reliable Any application to a particular farming operation requires the advice of qualified experts and is subject to limitations of good management, weather and other conditions present at the individual location

Ladies, Have You Heard? . . .

By Doris Thomas, Extension Home Economist

Care of Leather, Suede

It's time to put away winter clothing If you are storing suede and leather garments for the summer, check to see if they need to be cleaned before you put them away

THOMAS

Sometimes a local dry cleaner can do this cleaning for you Perhaps the store where you bought the leather garment can provide this service

Have a matching purse or boots cleaned at the same time This way the colors can be matched as nearly as possible when natural oils are restored or the garment is redyed

For emergency spot or stain removal, do not use cleaning fluids or rough wire brushes They will cause white or light spots Use a soft bristle brush or damp sponge around pockets, cuffs and necklines.

It is unwise to store suede and leather garments in plastic bags which do not permit free circulation of air If you keep garments in such bags, they may become hard and dry Like fur garments, you should store them in a cool place

Remember, proper storage of your suede and leather garments will keep them in top condition for wearing next fall.

Tools Save Time, Energy

Spending too much time in the kitchen? Want to remedy the situation before those hot muggy summer days arrive? Perhaps you can, just by using the right kitchen tool for the job you have to do A good starting point is to check your kitchen tools

For example, how many steps is your dish cupboard from your dining area? A small table on casters speeds serving and clearing away and can save you many steps And it can also be helpful in storing supplies

Many homemakers rely on a small cutting board to do all their cutting chores But you will save time by using a cutting board that is the right size for the jobs you have to do Be sure there is space to store it in the area of the first use

Are your kitchen knives sharp and stored so that they will stay in this condition? A dull knife not only is a time-waster, but is unsafe to use And a pair of sturdy kitchen shears can speed food preparation jobs

Scoops for canisters of sugar and flour and rice are first-rate time savers There are some on the market that measure as they scoop Range to refrigerator dishes and range to dining table dishes will save you dishwashing time and putting away time, too. A can opener that is efficient and easy to use is standard equipment for every kitchen It does not have to be automatic There are manually operated ones that are efficient and also reasonable in cost

Take a long look at the tools you use Perhaps you can give your kitchen and yourself a present with a tool that will speed up the time you spend in the kitchen

Cantaloupe A La Mode?

To crown dinner with a regal touch that's refreshing as well, remember this easy idea — a pleasure to look at and to eat.

Bring cantaloupe and ice cream to the table in the shape of fanciful little crowns

Halve the melons scallop-style Fill with strawberry ice cream "Jewel" with melon balls — fresh berries, too, if you like Voila! Dessert fit for a king

CANTALOUPE A LA MODE
2 medium cantaloupes
1 pint strawberry ice cream
Strawberries, optional

Halve cantaloupes in "scalloped" fashion, remove seeds Scoop out several melon balls Fill each half with a large scoop of ice cream, garnish with melon balls and strawberries, if desired. Yield 4 servings

Class 1 Milk Prices Are Higher in 1970

March deliveries and Class 1 price for milk was higher this year than last.

A total of 135,552 producers delivered 5.2 billion pounds of milk to handlers in 64 comparable Federal milk order markets during March 1970, four per cent above March 1969

The weighted average Class I price paid by handlers in the 64 markets for 3 5 per cent milk in March 1970 was $6.75 per hundredweight, 31 cents higher than a year earlier.

Producers in the 64 markets received a weighted average blend price of $5 82 per hundredweight for 3 5 per cent milk in March 1970, 18 cents higher than March 1969.

The weighted average class I price for the January-March 1970 period for the 64 markets was $6.75, 31 cents higher than the price for the same period in 1969. The weighted average blend price for the three month period in 1970 was $5 93, 21 cents higher than the blend price reported for the three month period in 1970 was $5.93, 21 cents higher than the blend price reported for the same period in 1969.

The volume of producer deliveries used in other than class 1 products in all marketing areas totaled 2.2 billion pounds in March 1970, 39 per cent of producer deliveries.

Registered Holstein Numbers High in State

The Holstein-Fresian Association reports that Pennsylvania ranks second nationally in the ratio of Registered Holstein to the dairy cows in the state.

Edged only by New Hampshire the Keystone state stands well above the other two members of the "big three" — New York is 7th and Wisconsin is 17th.

In 1950, there were approximately 22 million cows in milk in the U.S. That year, Holstein registrations totaled 184,246, for a ratio of 1 to 119. In 1969 the rato stands at 1 to 49 with 260,645 registrations against a total of 12,648,000 cows in milk.

FACTS ABOUT FARMING

The average U.S. farmer produces enough food and fiber to supply 43 people — 38 in this country and 5 overseas.

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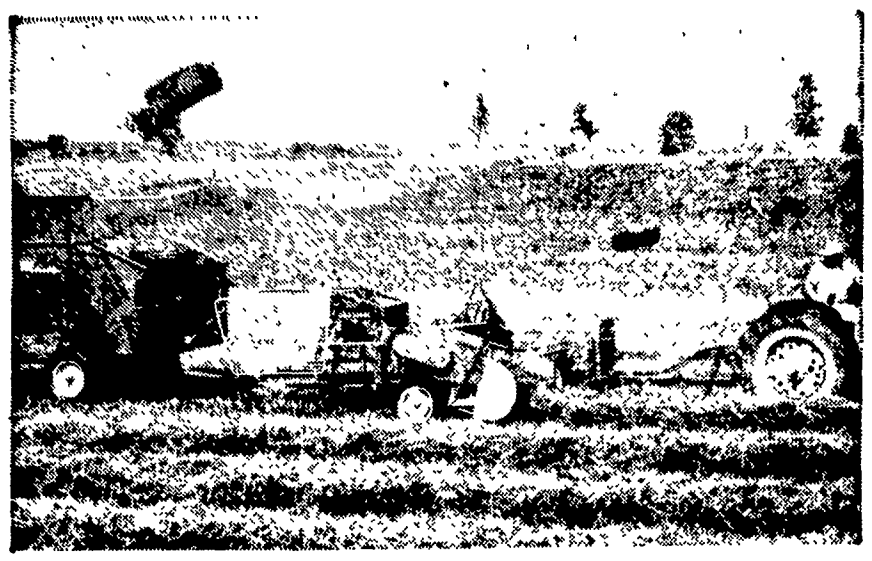

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On Selecting the 4-H Heifer Calf

(Continued from Page 33)

may be good or bad in some of these points, consequently dairymen refer to the animal as having good or bad dairy type.

Choose an animal that has straight legs and a level top line. The calf should have a teat placement that is wide and symmetrical. The calf should appear thrifty, be clean-cut, and show evidence of developing a deep body capacity.

Mark Witmer, Willow Street RD1, shows the end result of good calf selection, the Grand Champion Guernsey at the South Central 4-H Dairy Show.

We cannot always get a true idea of the type and conformation of a calf even at three or four months of age, so we should observe the dam and sire and any sister, if possible, to get some indication of what the calf may look like when it matures. Good management also has an influence on what the calf will look like as a cow. A 4-H dairy calf needs the best possible care if it is expected to mature into a high producing cow of good dairy type.

A new rule which has just been made in the ownership of a 4-H dairy club animal is that all animals must be in the club member's name before May 1 of the year in which they are participating; it was formerly before July 1; therefore, we hope all will check the date of transfer of these animals to be sure they are dated between the middle and end of April.

Milk Keeps in Cartons

Does Milk keep safely in cardboard containers or cartons as long as in bottles?

"Milk that has been properly pasteurized and stored in sterile cartons is as safe as if it were stored in sterile glass bottles," says Today's Health, published by the American Medical Association.

PFA Women's Committee Holds Ladies-Day-Out

The Pennsylvania Farmers' Association Women's Committee held their Ladies-Day-Out meeting May 27 from Noon to 3:30 at Hostetter's Banquet Hall, Mt. Joy.

This "All Pennsylvania Luncheon and Program" featured foods grown in Pennsylvania. It was attended by 120 members of the PFA Committee and guests from Lancaster County and neighboring representatives from PFA Women's Committee of Dauphin, Chester, Berks, and Adams Counties.

Miss Marion O'Neil, information specialist on marketing and consumer services, Pennsylvania Department of Agriculture, showed slides and talked on consumer protection. Mr. Eugene McDowell from the PFA staff spoke on "PFA Past, Present, and Future, etc."

Other features on the program were demonstrations on deboning chicken by Mrs. Donald Ranck and Mrs. Lili Ann Kopp, daughters of Mr. and Mrs. Clyde Wivell, Columbia RD1, and cake decorating by Mrs Roy Sauder of Mount Joy RD2.

Also readings entitled "Foods for the Gods" and "Half way to the Moon" were dramatized.

Mrs. Clyde Wivell was chairman of the committee for the event and acted as Toastmaster. Other committee members were Mrs. Lewis Bixler, Mrs. Roy Greider, Mrs Robert Kauffman, and Mrs. Verna Hostetter.

Milk Is Leading Drink

A project of the Seven-Up Co. marketing department (Supermarket News, April 6) revealed that the highest per capita consumption of drinks is milk at 540 eight-ounce glasses, down from 563 in 1961.

Soft drinks passed beer in 1963 and overtook coffee in 1969 with a record of 418 eight-ounce bottles per customer.

BUT the highest per capita consumption still is milk!

FACTS ABOUT FARMING

The nation's farm equipment inventory is valued at over $26 billion, according to the New Holland Division of Sperry Rand.

● Holstein

(Continued from Page 33)

"Regina" was bred in the Frey herd. She was sired by Gray View Crisscross 1578594 (EX), a bull that has earned a Gold Medal Sire recognition.

A Registered Holstein cow owned by John W. Eshelman & Sons, Red Rose Research Center, Lancaster, has completed a production record exceeding 30,000 pounds of milk.

Bonnie Comet Ormsby 55479-51 (VG) actually produced a total of 30,090 pounds of milk and 1,034 pounds of butterfat in 305 days.

Her record started at the age of 7 years and 4 months. On a two times-per-day milking schedule, she averaged nearly 46 quarts of milk each day throughout her testing period. The Eshelman Holstein was bred in the herd of Helmuth R. Krause, Highland, Wisconsin. Her production is more than three times that of the average dairy cow.

"Bonnie" was sired by Ideal Raven Ormsby 1261422 (VG).

Adding to her first yearly production record exceeding a half ton of butterfat is Willowland Imperial Brenda 5481286 (VG), a Registered Holstein cow owned by Gideon K. Stoltzfus, Atglen.

With her 305-day lactation over the 1,000 pounds of butterfat mark, she continued to milk for a 364-day record of 25,820 pounds of milk and 1,260 pounds of butterfat. "Brenda" started her lactation at the age of 6 years 11 months and was milked twice daily. This record ranks among 2,911 similarly completed by Registered Holstein cows on official test.

Willowland Imperial Brenda was bred in the Stoltzfus herd and sired by Polytechnic Imperial Montvic 1239640 (VG), a bull that has earned Silver Medal Production Sire recognition.

The 2,883rd yearly production record exceeding a half ton of butterfat has been completed by a Registered Holstein cow. Smyrna View Apollo Lois 5824-377 (VG), owned by Nathan E. Stoltzfus, Gap.

The Pennsylvania Holstein's official record of production totalled 22,113 pounds of milk and 1,013 pounds of butterfat in 365 days. She started her lactation at the age of 5 years 10 months and was milked twice daily.

"Lois" was bred in the Stoltzfus herd. She was sired by Hilltop Apollo Ivanhoe 1399324 (VG), a bull that has earned a Gold Medal Sire recognition.

Pennsylvania State University supervised the weighing and sample testing of the production of these record cows in cooperation with the Dairy Herd Improvement Registry program of the Holtsein-Friesian Association of America.

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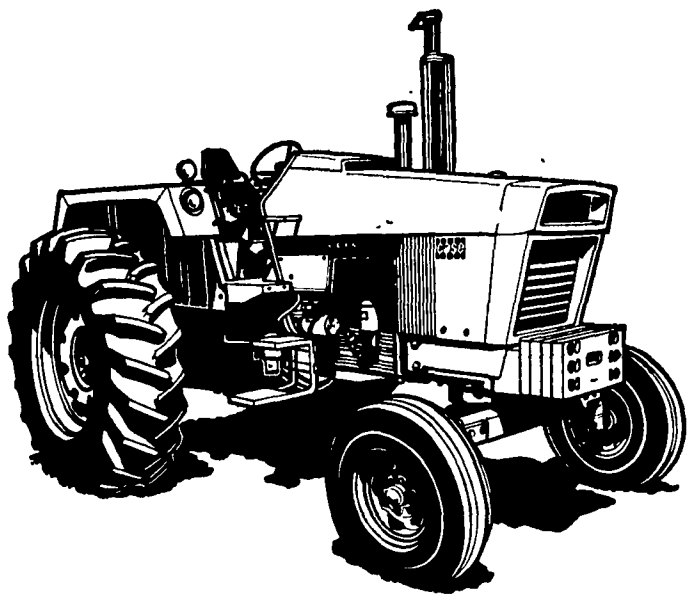

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Maryland 4-H'ers Find Dairy Beef Sale a Big Hit

A first of its kind feeder calf sale closed out the second phase of Carroll County's 4-H dairy steer project at Westminster, Maryland, May 5

Thirteen 4-H club members sold holstein feeder steers ranging from 250 pounds to 710 pounds The members and their families sold a total of 40 head to buyers from Virginia, Pennsylvania and Maryland Many of the calves will stay in Carroll County feedlots The sale was handled by Western Maryland Stockyards, Inc

"So far as we know, this is the first dairy steer feeder calf sale in the United States," says John Wildesen, extension agent in Carroll County.

Wildesen explains how the unique 4-H project started "A 4-H leader from Limeboro, Donald Baker, and I were talking about an animal project that could be completed in a relatively short time and did not require too large an investment We finally hit on the idea of raising dairy calves for beef Then we worked out the details with John Morris, Extension dairyman at the University of Maryland"

From Westminster, Maryland comes this recent report by the cooperative extension service of the University of Maryland on a new kind of 4-H project which, so the report goes, has the unique ability in these troubled times of pleasing just about everyone involved.

Since Southeastern Pennsylvania is dairy country in general and Holstein country in particular, the project may be of interest to local people and maybe even have application here.

The member actually has four options in the project, Wildesen points out. He starts with a purebred holstein calf. If the calf does well and the market is favorable, he can sell the calf as veal at about 200 pounds.

In the second option, the member can sell the steer at feeder calf weight (up to about 700 pounds) A members could buy one of the feeder calves and feed it out to slaughter weight, or he could start with a baby calf and feed it all the way through to slaughter steer weight.

In this project. Wildesen explains, a 4-H member could complete the record in two months, or he could extend the project for a year If the member does not have much capital, or if he does not have much room to keep an animal project, he can turn his money over quickly and get back in business again quickly.

All the members in Carroll County's dairy steer project bought their calves from local dairy farmers at three to seven days old and paid about $20 to $25 each for them

"The 4-H'ers fed their calves milk replacer for the first eight weeks and gradually changed them over to an inexpensive grain mixture containing a large percentage of corn-and-cob meal," according to Wildesen "The members either have the grain at home or they buy it mixed to our formula at a local feed mill."

Last fall, some of the club members began feeding calves about September, but the project didn't officially start until November. And it ended at Westminster with a fitting and showing contest and sale.

"We set it up as a six-month project, Wildesen explains, with plans to hold a sale in early May and another in early November."

Many of the club members are starting calves right now for the November sale.

And no wonder! At the Westminster sale, the 40 head brought prices of $30 to $36 per hundredweight for an average of about 33.5 — nearly four cents a pound over the market on May 5.

But as one cattleman remarked at the end of the sale, "These calves were empty and in excellent condition. They have had the best of care and should be ready to go in the feedlot."

And as another buyer summed up, "Everyone should be happy Here is another source of beef for America's tables; the dairymen have another sale for their bull calves, the 4-H club members have a new short-term project, and the cattle feeders have a new source of high quality feeder cattle''

At least three men are happy. They bought a calf at the sale and will feed it to slaughter weight. They are Wildesen, Charles Hommey, Extension agent in neighboring Frederick County, and John Morris, Extension dairyman at the University "We had a holstein steer last year," says Morris, "and it is really good eating"

Youths Snub Coffee, Turn to Cold Drinks

The declining coffee market suffers most from waning acceptance among the under-30 group, according to an article by Ralph Leezenbaum in the May issue of Marketing/Communications.

"The United States accounts for almost half of the world's coffee consumption The average American coffee drinker (over age 10) on an average day last year imbibed 2 68 cups of the brew.

"That figure, however, is no cause for rejoicing among coffee marketers It represents a 16 per cent decline from coffee's zenith year seven years before, when cups were downed at their highest rate in history — 3 12 per drinker per day

Thanks to the population increase, the effect of diminishing demand on both a percentage of populace and cups per capita basis has been to depress poundage only slightly Coffee roasters still managed to market 3 3 billion pounds of coffee last year

Like most other hot beverages, coffee is suffering at the expense of the proliferating preferences for cold drinks, especially among young people Significantly the general downturn in consumption after 1962 was presaged by an even earlier disfavor among the under-twenties.

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Holstein-Friesian Group Slates Four Open Forums

The official business program for the 85th annual convention of the Holstein-Friesian Association of America in Boston June 30 and July 1 has been changed to allow four simultaneous "Open Forum" sessions on various aspects of the Association, according to H. W. Craun, Association president.

Craun said the priveleges of the convention floor will be extended to any Association member for discussion of Association affairs during these forums.

W. L Conyngham, Chairman of the Executive Committee, will chair the "Open Forum" session on the general organization of the Association, membership, registrations, transfers, artificial insemination procedures and policies, rules enforcement procedures, as well as matters dealing with the Association's new organized subsidiary corporation, Holstein-Friesian Services, Inc.

Matters on the financing of Association programs, its policies on fees, investments and reserves, as well as the general economic well being of the Association will be discussed in the "Open Forum" session under the chairmanship of Gordon W Newton, Chairman of the Board's Finance Committee.

Breed improvement and recognition programs of the Association including classification, production testing, sire and dam evaluations, publication of performance data, breeder and animal recognition programs and matters of a similar nature will be the topics for discussion in connection with the "Open Forum" session to be chaired by W R Brooks, Chairman of the Board's Rules Committee

Under the Chairmanship of Ivan Strickler, Chairman of the Board of Directors' Extension Committee, topics relating to Association's publicity, promotion and advertising programs, as well as those dealing with the Holstein program in the field (field work) and the important role of State and Local Holstein Associations in the total Holstein program will be discussed.

The purpose of this revised format for the "Open Forum" sessions is to provide a greater opportunity for communication between Association members and delegates and those who are responsible for the formulation of Association policy as members of the Board of Directors

In each of the sessions, the members of the Board of Directors serving on the respective committees will be in attendance as will be the members of the Association's management and operating staff who are responsible for the respective areas of Association programs to be discussed in each of the sessions

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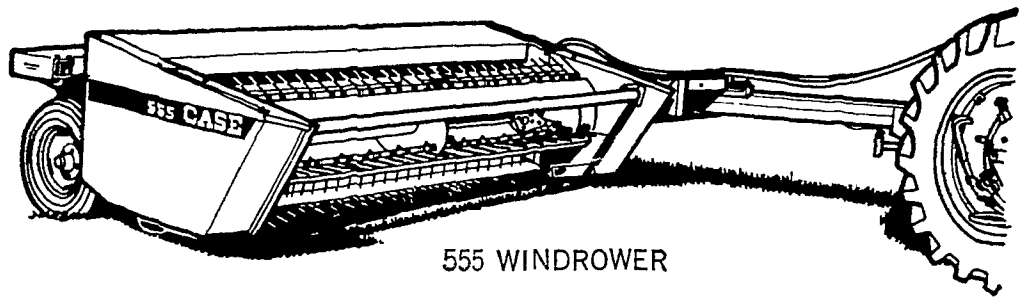

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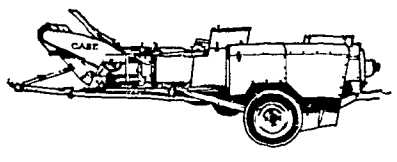

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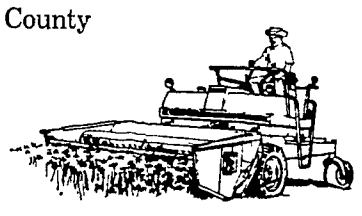

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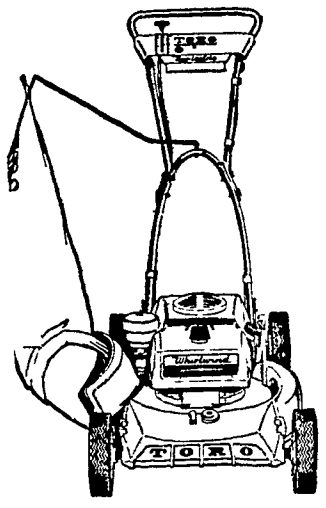

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Dairying in a Historic Setting

(Continued from Page 36)

tor of public relations of Eastern Mennonite College and teaches there Shirley graduated from the college this May and will be teaching tenth grade English in September at Harrisonburg Va She also was a graduate of Warwick High School

Henry their only son, graduated from Warwick High School where he took the Agriculture course He works with his father full time on the farm

Barbara Sue is just finishing ninth grade at Warwick where she is an honor student She works part time at Spruce Villa Dairy and helps with farm chores She is active in the youth group of their church and on the Bible quiz team She likes to cook bake and sew She was in the Linitz 4-H Sewing Club two years

Doris Jean is in sixth grade and plays the piano She was pianist for Wizard of Oz put on by her sixth grade at school

Linda is eight years old and in second grade at school Her mother says she is kind of spoiled and the sunshine of the family"

A hobby of Mrs Hershey is keeping a scrapbook of each of her children's activities She also plays the piano for her own amusement

She says "I like dishes" She has many beautiful antique dishes which have been handed down to her Some of her favorites are a child's china tea set and a tea pot which was her grandmother Herr's Also a set of real old china which her mother passed on to her Besides the old built in corner cupboard in her dining room she has a nice antique china closet with glass doors to display her china

She likes to work in flowers and garden Soon the road bank by their house and the fence row will be a mass of beautiful blooming flowers

She does a lot of canning and freezing She says "I like to bake"

Here are some of a typical dairyman's wife's recipes

COCOANUT CUSTARD PIE

- 1¾ cups sugar
- 2 cups cocoanut
- ½ cup flour
- 4 eggs separated
- 4 cups milk
- 1 lump butter

Mix sugar, flour, cocoanut Separate eggs Beat whites stiff Mix yolks and a little milk Add to rest of milk and stir into flour mixture Add stiffly beaten whites last Put in unbaked pie shell Bake in preheated oven at 425 degrees for 15 minutes Reduce oven to 350 degrees Bake 25 minutes

SCALLOPED OYSTERS

- 1 pint oysters
- 1 pint milk
- 4 eggs, well beaten
- ¼ pound melted butter
- 20 to 25 saltines, coarsely crushed
- salt and petter to taste

Mix oysters, liquid and milk in well buttered casserole Add beaten eggs and melted butter Add crushed saltines and let set until moisture is absorbed Add more saltines if necessary to take up excess liquid, but mixture should be sloppy, not dry! Salt and pepper to taste, dot with butter and bake in 400 degree oven until well puffed up and delicately browned, about 1 hour Serve immediately

GRANDMA HERR'S CHERRY PUDDING CAKE

- 1 cup sugar
- 3 tablespoons butter
- 2 cups all purpose flour
- 1 teaspoon baking soda
- ½ teaspoon salt
- 1 cup sweet milk
- 2 cups fresh pitted sour cherries (2 cups well drained canned sour cherries can be used. In that case use ½ cup juice and ½ cup milk instead of 1 cup milk for the liquid.)

Cream sugar and butter Add sifted flour, baking soda and salt alternately with sweet milk Add cherries and stir well Pour into greased 8" by 12" pan Bake at 350 degrees for 35 to 40 minutes

Cut into serving pieces and serve in cereal bowls with sugar if desired and lots of cold milk Makes a lovely summer supper meal

Mrs Hershey says nobody makes better potato salad than her mother in law so this is her recipe

MOTHER HERSHEY'S POTATO SALAD

Wash and peel eight to ten nice potatoes Boil in salt water until soft Hard boil 8 eggs Cool potatoes and eggs, then dice Add 1 small onion chopped (Finely chopped celery may be added if desired) Add salt if desired (Cut the potatoes into small dices This takes longer but is worth the effort, because the flavor is better than when the potato pieces are too large)

DRESSING:

- 2 eggs, beaten
- ½ cup vinegar
- ½ cup water
- ½ cup sugar
- 1 teaspoon flour
- 1 teaspoon mustard

Mix and cook until thickened Cool slightly, then add ½ cup salad dressing Blend

When cold, pour over the cold diced potato mixture Mix well Place in serving bowl Garnish with parsley and dash of paprika Serve

When chickens are a good meat buy or for people who raise their own here's a recipe to try

NANCY'S BARBECUED CHICKEN IN A BUN

- 1 four pound chicken, cooked

Remove meat from bones and cut into small pieces. (Discard skin if desired.)

- 3 tablespoons butter (or chicken fat)
- 1 cup chicken broth
- ½ cup catsup
- 1 teaspoon salt
- dash of pepper
- 2 tablespoons vinegar
- 4 tablespoons brown sugar
- 1 tablespoon mustard
- 1 tablespoon worcestershire sauce

Brown onion in fat Add chicken, and sauce Simmer 15-20 minutes Serve in fresh hot buttered hamburg buns

Here is a good recipe for a large quantity of iced tea; even people who don't like iced tea usually go for this

PARTY ICED TEA

2 quarts cold water Bring to boil Remove from heat Seep 24 to 28 regular sized tea bags in hot water (Mrs Hershey prefers Boston mint) Slice 8 to 10 lemons very thinly Crush juice with potato masher Add 8 to 10 cups sugar

Pour the hot tea over the sugar and lemon slices and stir Add 10 to 15 lbs cracked ice Stir well, and let ripen an hour before serving

BARBARA ANN'S FRUIT SALAD

- 2 oranges peeled and cut into small pieces
- ½ lb. grapes halved and seeded (or use seedless)
- 1 small ripe pineapple pared, cored and cut into small pieces
- 2 diced bananas, optional
- 1 30 oz. can fruit cocktail

Mix all together and refrigerate until cold Serve in individual glass sherberts topped with maraschino cherry or a scoop of your choice of lemon or orange sherbert Garnish each serving with a few fresh or frozen blueberries

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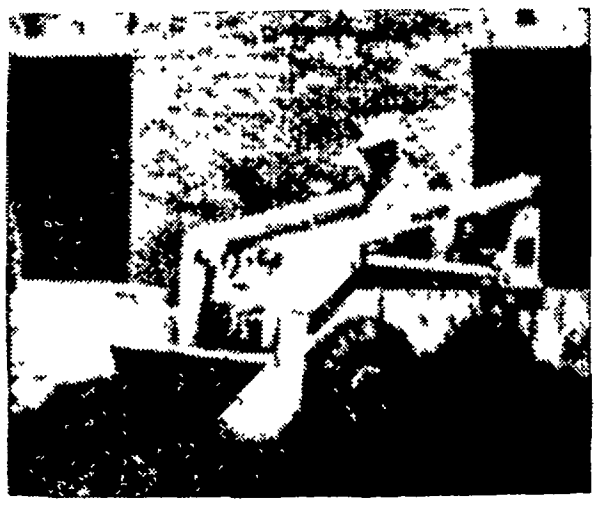

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PUBLIC SALE

OF OLD ANTIQUE BOTTLES AND HOUSEHOLD GOODS

SATURDAY, JUNE 13, 1970

11:00 A. M.

12 miles South of Lancaster off Route 222 at New Providence across from Mennonite Church.

Admiral colored television, two piece early American living room suite, maple coffee table and end tables, two piece Mid-Victorian Parlor suite, desk and chair, fireplace set complete, cast iron skillets, crocks and jugs, dated Mason jars, old bottles, cut glass, crystal, iron stone, square glass china closet, matching server buffet china closet, solid oak buffet, rocker high chair combination, breakfast set with six chairs, refrigerator, washer, queen size bedroom suite, two single beds with mattresses, church benches, Roosevelt news paper, The Democratic Book 1936 signed by President Roosevelt, step ladder, Penn. riding mower Many more items not mentioned

SALE BY
ROY C. JOHNSON

Auct., Lloyd H. Kreider
Clerks, Trimble & Kreider

Trucking Industry Said Second to Agriculture

More than 68 per cent of all fresh fruits and vegetables grown in the United States last year were hauled to market by trucks What's more, some 97 per cent of frozen foods shipped 500 miles or less were shipped by trucks

Ninety five per cent of all livestock and, overall, some 89 per cent of all agricultural products were carried from farm to initial markets by trucks according to American Trucking Associations, Inc

In all, the nearly 17 million for hire and private motor trucks registered in the U S last year traveled more miles (more than 200 billion), moved more tonnage (more than 3 5 billion tons) and paid more in federal and state highway "user" taxes (more than $5 billion) than ever before!

Employment in the industry reached an all-time peak Between nine and ten million jobs, depending on the source of the estimate Salaries, too, remained well ahead of the average for all private industry nearing the $10,000 mark on the average!

New truck registrations, some 1 7 million in 1967, had jumped again and are expected to double to 3 15 million per year by 1980

As an industry, trucking was and is second in size in the nation only to agriculture

Fertilizer Use Up

Consumption of fertilizer in the U S and Puerto Rico during the year ended June 30, 1969 placed at 38 9 million tons That's up ½ of one per cent from a year earlier and 6/10 of one per cent more than indicated in the preliminary report issued last October

While fertilizer use was up for the ninth consecutive year, the rate of increase was much below the 4 and 7 per cent increases recorded for the years ended June 30 1967 and 1968, respectively according to the USDA

DARI-KOOL BOU-MATIC MILKING

Why are so many people turning to BOU-MATIC?

The Answer is RESULTS

BOU-MATIC FEATURES FOR FAST, HEALTHY MILKING

1. Visible Milking — Prevents over milking.
2. Twin Pulsation — Enables you to milk the hind quarters faster and have the udder completed more quickly.
3. Lower Vacuum — Does not irritate udder.
4. Patented pre-collapsed Inflation. Insures complete closing and no red teat ends or rings around teat.

FOR RESULTS — Contact

POSEY'S GARDEN CENTER

49 N Broad Street, Lititz **Phone 717-626-2343**

Public Auction

100 REGISTERED & TOP GRADE HOLSTEIN DAIRY CATTLE

Sale to be held in the dairy barn arena at the Aberdeen Sales Company in Churchville, Harford Co , Md , located on Md. Rt. 22, 6 mi east of Bel Air, Md., (via U. S. Rt. 1) and 6 mi. west of Aberdeen, Md., (via U. S. Rt. 40 or Kennedy Highway) on

FRIDAY, JUNE 12, 1970

8:00 P. M. EDST

This sale features the entire herd of Roland Knight of Delta, Pa. This is a young herd showing good production. Many cows bred for summer freshening.

Mr. James Carter of Ontario, Canada is shipping 45 head of top cows and heifers. Some will be fresh at sale time, others are close springers.

Other consignments of local heifers bred for ave. months. Plan to buy additional cows or make your selection for replacements.

All cows are T. B. Accredited, Certified Bangs Free, tested within 30 days of sale. Freshening, breeding and due dates will be available as well as milk weights.

ABERDEEN SALES CO.
Sale Managers
Phone: 301-734-6050
Night: 301-734-7105
301-272-1368

Tory Hill Corp. Sale

THURSDAY, JUNE 11

GUERNSEY SALE BARN
LANCASTER, PENNA.

Sale held at the Guernsey Sale barn located 6 miles east of Lancaster, Pa. on Rte. 30. Sale held in tent immediately behind sale barn.

100 REGISTERED HOLSTEINS

(All the saleable milking age animals and a cross-section of the heifers from Tory Hill Corp herd and Quality Farms herd at Lakeville, Conn)

Certified, T.B. Accred., Ready for immediate shipment anywhere. Exam for Preg. & Mastitis.

FIVE DAUGHTERS OF OSBORNDALE IVANHOE SELL!! and about half the group selling bred to an "EX" son of "Ivanhoe".

WEISSDALE OSBORNDALE GERBEN "VG" SELLS!! Res. All-American and All-Penna 1964. 3-3 366d. 2x 26,022 M. 3.5% 908 fat.

MANY BRED TO ELM-BECCA COLANTHA IVAN "EX"!! Son of "Ivanhoe" from a great cow family. His dam "EX"-778f completes 4 consecutive generations of cows with high test and "EX" mammary systems.

HALF OF GROUP SELLING BRED TO RES. ALL-AMERICAN "MARQUIS" SON!! Homestead Farm Maple Echo "EX". Res. All-American Aged Bull 1969. Dam with 1102 fat.

NOTE!! Tory Hill Corp purchased the entire dairy herd of Royal Mark Dairy from N H that had a herd averages to over 600-lbs fat, and 16,000 Milk Those milking age saleable cattle will be included in this sale

This is being held under emergency conditions because of a severe labor shortage in Conn There has not been time for an extensive advertising program This will be to the buyers great advantage

MAKE YOUR PLANS NOW TO ATTEND AND BUY FROM THIS OPPORTUNITY SALE!!

Sale starts 11:00 A.M. Lunch Available Catalogs Under Tent

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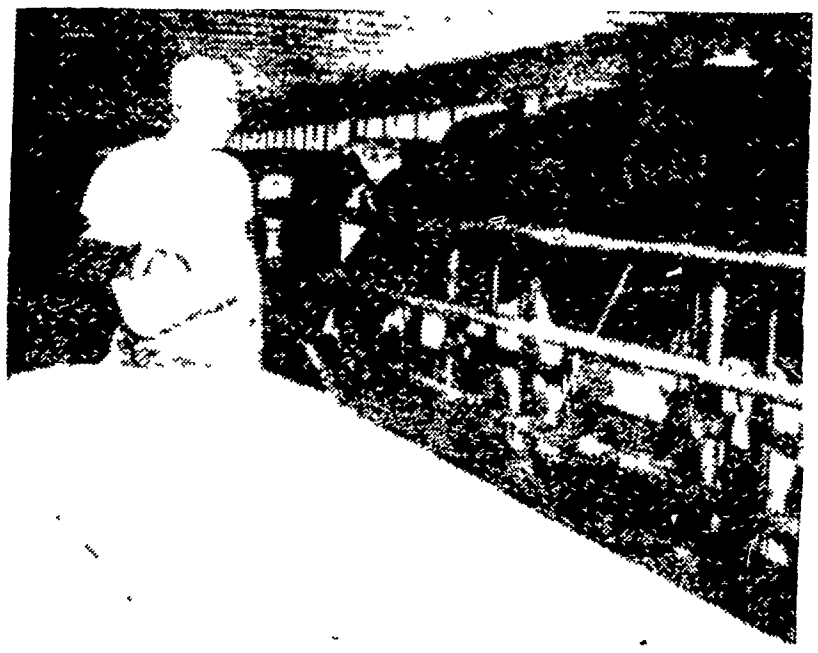
TORY HILL CORP.
Owners,
Lakeville, Conn.

THE HORNCO UNI-PEL PROGRAM

More MilK Better Herd Health Less Breeding Problems



Herman Stebbins, Farm Manager of Sinking Springs Farm, feeding Hornco Uni-Pel 15 Flaked Dairy.

Listed above are a few of the many benefits you'll receive from following the Uni-Pel program. Palatability is another important benefit. Even fussy eaters take readily to Uni-Pel Flaked 15. Notice the eagerness of the cows, in photo at left, to receive their flaked Uni-Pel.

UNI-PEL FLAKED "15"—The Most Palatable, Nutritionally Fortified Course Texture Dairy Ration You Can Buy

HORNCO FEEDS

More Lancaster County Dairymen are feeding Hornco Uni-Pel Dairy Rations Than Ever Before. Why? Because Uni-Pel Produces Results You Can See.

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